British Gliding Association

Airworthiness Compendium

Compendium of Airworthiness Directives, Mandatory Modifications, special Inspections and Check List of Defects

Foreword and instructions for use

The lay out of the compendium is now listed under aircraft manufacturers name and is in a format to allow more room for detail and reference information. Where two manufacturers make one type a cross reference is made.

From 2002 each entry will have a status as follows:

M Mandatory for aircraft with a BGA or CAA C of A
R Recommended by the BGA or manufacturer
O Optional (usually modifications)
I For information (usually guidance for inspectors or general information)

To research a particular aircraft look under the following:

1 Aircraft manufacturer section
2 Engine and propeller section (if applicable)
3 Equipment section
4 Special inspections – All types
5 Tug and Motor glider issues (if applicable)
6 Review all TNS issued after the compendium issue date.

General information

COMPILED FROM: Airworthiness Directives (ADs), Service Bulletins (SBs), Tech Notes (TNs), Technical Instructions (TIs), Defect Reports, CAA Mandatory Modification and Inspection Summary, CAA Airworthiness Directives Vol. 1 & 2, CAA Foreign ADs Vol. III. etc. Also experiences by BGA inspectors and operators.

TUG's The BGA compendium does NOT cover Glider Tug aircraft. Reference should be made to the applicable Airworthiness publications and manufacturers information.

UPDATED: by BGA Technical News Sheets (TNS) - bi-monthly. From 2002 the TNS number will be aligned with the compendium. I.e. 01/02/02 will become 02/02, 03/04/02 will become 04/02, 05/06/02 will become 06/02 and on. Indicating month and year of publication

COMPLIANCE: - Unless stated otherwise, the AD's listed in this compendium are mandatory for BGA registered gliders and Motor Gliders.
Notes:
1 AD's are issued by National Airworthiness Authorities, generally to make manufacturers' SB's, TI's or Mods mandatory and to state time limits as to when they must be carried out.
2 Items marked "M" have been reviewed by the BGA and must be carried out as specified and entered in the log book Mods or Pink Pages section.
3 All other entries listed in this compendium are for guidance to aid inspections, and it is recommended that they are carried out annually, i.e. at C of A, except when stated otherwise. From 2002 all entries will have a status indicator to assist inspectors to interpret the requirements.

CLUB TECHNICAL OFFICERS are asked to make all relevant airworthiness information available to club members and private owners.

CLUB COMMITTEES are reminded of their corporate responsibility to maintain high standards of airworthiness.

BGA INSPECTORS are required to keep a record of their work, such as copies of 267 forms or a diary.

CAA AIRWORTHINESS NOTICES detail repair and operational procedures for light aircraft, of which much is also applicable to gliders, is available from: - Documedia Ltd, 37 Windsor St, Cheltenham, Glos, GL52 2DG tel. 01242 235151. Also available on the Internet [www.srg.caa.co.uk]

JAA PUBLICATIONS Copies of JAR22 and other JAA publications are available from Rapidoc, Willoughby Road, Bracknell, Berkshire, RG12 8DW. Tel. 01344 861666.

FURTHER INFORMATION The LBA publish AD's on the Internet [www.lba.de] also many manufacturers have their own web sites (see contacts) were Tech Notes can be downloaded. There are many more Tech Notes than listed in the Compendium; these are mainly for optional modifications. For details either contact the agent or manufacturer direct.

ERRORS Please notify the BGA, in writing by letter or e-mail if any errors are found in this publication. [cto@gliding.co.uk]

BGA Airworthiness Compendium

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Special Inspections All Types

General information for guidance of inspectors collated from Airworthiness Directives applicable to all types, experience of incidents, published articles and general information.

Note: Deleted entries in this section have been entered into relevant sections within the compendium. (Aircraft manufacturers, Engine, Propeller or Equipment)

1. AIRBRAKES after repairs & repaints check opening & locking with wings bent. Insufficient clearance around paddle ends can prevent them being opened in flight. TNS 06/96
2. BALLAST WEIGHTS (& BAGS etc) must be secured. For preference use bolted in ballast weights. Record if ballast weights are fitted, especially if out of sight. TNS 12/00
3. BGA FORMS 267 - to be signed for each item listed. "Mandatory Mods & Inspections" (Item 53). Compliance with this compendium & current TNSs must be checked and entered in log books
4. BUNGEE HOOKS should be removed to prevent hang-ups on cable parachutes.
5. CABLES - is the swaging satisfactory? Hemp cored cables must be replaced. Ref TNS 08/93.
   Stainless steel for control cables not recommended in applications with high chafing or tight turns on small pulleys. It has very poor fatigue properties. TNS 06/91, Piper SB 1048 Lubrication of SS control cables.
6. Assess the need for end-to-end inspections at annual check TNS 08/00
7. CANOPY LOCK AND JETTISON SYSTEMS -inspect at every DI. Test jettisons annually.
8. CONTROL SURFACE TAPE must be renewed regularly. Loose tape can cause major control problems. TNS 12/97 & 06/99. BGA inspection 011/12/2000 issue 1 detailing annual inspections on control tape and seals. TNS 12/00
9. CONTROL RODS - can be damaged by root ribs during trailer transport. Secure them.
10. CONTROLS L'Hotellier connectors MANDATORY inspections LBA AD 1993-001/3 and AD 1994-001/2 applicable to all types
11. GROUND LOOPING INCIDENTS- inspections in depth are required to establish the integrity of both structures and control systems. Ref BGA GRP Inspection Guidelines in Technical Procedure Manual.
12. INSTRUMENTATION TUBING - PVC loosens with age & leaks, glue it or use neoprene.
13. INSTRUMENT PANEL sharp metal edges are very dangerous. Leg protection must be fitted. Glass-fibre panels are much safer. "ASW" glass panels are designed to break up during an accident. Instrument installations (compasses) impeding canopy jettison BGA 021/10/2001 iss1 recommended inspection.
14. LIGHTNING STRIKE inspections of GRP gliders. TNS 12/88 & wooden glider control cables TNS 04/87. The need for bonding is emphasised TNS 08/00.
15. LIMITATIONS - must be permanently and legibly placarded, (including engine limitations).

Special Inspections All Types

16. OTTFUR rings distort and jam in Tost hooks. Use only Tost rings for all launching. TNS 06/97 Ottfur hooks new & product support - CAIR Aviation Ltd tel. 01293 543832 see TNS 12/97 for maintenance data.
17. SEATBACKS "slot in" types eg PW5, Vega & Jantar must be secured such that they can't come loose under negative "G". TNS 06/89
18. SEAT TRIM Seat trim obstructing exit from glider Recommended inspection BGA 019/06/2001 iss1.
19. STIFF NUTS may be used to replace split pin locked castellated nuts in any position where the nut is done up tightly. For example where a nut & bolt clamp up a bearing or a bush.
20. TRIM TABS - dangers of unsecured drive systems. TNS 12/88
21. VENTS & DRAINS - do they work? (Have you checked?) All components must have vents & drains.
22. WEIGHT AND BALANCE all types are normally to be re-weighed every EIGHT years. Inaccuracies and incorrect placarding can be fatal. TNS 02/87. Applications for increases in AUW can be made to the BGA. Some notes on procedures are given in TNS 06/99
23. WHEEL BRAKES Gliders with front skids may be operated without wheel-brakes. Other gliders that had wheel brakes as original equipment may not be operated if they are un-serviceable.
24. WOOD AND FABRIC STRUCTURES - over-tautening of fabric. TNS 10/88 always follow fabric manufacturers' instructions. Attach fabric correctly; use adhesive not dope for synthetics. TNS 08/98
25. AIRFRAME LIFE INSPECTIONS all glass types of German origin, and others must be inspected at 3 000 hours and every subsequent 1 000 hours as per manufacturers special instructions. Additional inspections on some types at 6 000 hours – see aircraft section for specific instructions.
26. WINCH GUILLOTINES all winches must be equipped by end of 2000.
27. NYLON PEEL PLY Use approved materials and follow manufacturers instructions TNS 08/00, 09/00, 12/00.
28. DUPLICATE INSPECTIONS reminder that duplicate inspections are required if a control system or critical point is disturbed TNS 08/00.
29. SELF SUSTAINER SAILPLANES reminder to include 267T "Turbo" supplement when applying for SSS C of A renewal TNS 12/00. Removal of requirement for SSS airtest at C of A inspection TNS 02/01
30. TORQUE LOADING reminder to follow manufacturers specified torque loading TNS 12/00
31. HEAVY LANDINGS recommend "weight off" inspections following heavy landings TNS 12/00
32. BGA WEIGHT INCREASE CONSSESION 3% of AUW or 5% of NLP subject to conditions and limitations on BGA gliders 02/01

Motor Glider and Tug issues

General information for guidance of inspectors collated from experience of incidents, published articles and general information.

Note: Deleted entries in this section have been entered into relevant sections within the compendium.

1. **Airworthiness Notices - CAA** Mandatory reading for all tug & SLMG owners & inspectors. From Documedia, 37 Windsor Street, Cheltenham, Glos, GL52 2DG, Tel: 01242 235151, Fax: 01242 584139 or on the internet [www.srg.caa.co.uk]

2. **CAP 520 "Light Aircraft Maintenance**" should be purchased by all those who maintain civil registered aircraft. From Documedia, Tel 01242 235 151 TNS 08/99

3. **Gas collators in fuel systems** inspect the retention system for wear TNS 10/98

4. **Fuel contamination** (whether MOGAS or AVGAS) has been recurring. Reported in GASILs and AAIB bulletins throughout the year. TNS 12/88, 02/88

5. **Fuel hoses** advise on selection and maintenance of fuel hoses 08/01

6. **Gypsy induction flame** - traps may disintegrate and be swallowed by the engine. TNS 12/88

7. **Light Aircraft Maintenance Schedule (LAMS)** Latest issue is lAMS/A/1999/BGA issue 1, amendment 1.

8. **Lycoming, Gypsy** (and other types) cylinder studs must be correctly torqued and regularly re-torqued to minimise the probability of cylinder separation from the crank case and cracking the cylinder head. All in accordance with maintenance manual or instructions.

9. **Heat exchangers** (cabin & carb air) to be pressure tested to 20psi at C of A. ref CAA AN40 TNS 08/92

10. **Motor glider** performance data & min rates of climb for C of A air tests TNS 10/98.

11. **PA-25 Pawnee** Wing root cluster Improved design to eliminate the inspection TNS 04/97 & TNS 08/97. Booker Air Services (01494 442501) can carry out the Failed landing gear. TNS 06/97 Deeside GC have embodied new STC mod eliminating most of repetitive NDT full details on web site [www.pawnee.soaring.org.uk] TNS 02/00 GASIL 2/97 recommends check cables to limit damage if u/c fails TNS 08/97 Parking brake malfunction FAA AD 85-02-05 TNS 12/97 "Magna Flite" starter motors found unsatisfactory on 0-540 engines TNS 02/99. Alternative hot air shutter failure causes power loss TNS 04/99.

12. **Propellers** check bolt torque and locking regularly. Must be to manufacturers' instructions to prevent damaged installations and propellers coming off. TNS 12/97

13. **PVC** tubing shrinks and becomes hard and brittle with prolonged exposure to fuel. Replace "site tubes" regularly and use fuel proof tube for all other applications. TNS 04/99

Motor Glider and Tug issues

14. **Schweitzer type banner towing hooks** Mod to add bearing to reduce release loads, very strongly recommended. BGA Mod "BGA/T/1/85" ref TNSs 08/86 & 02/88
15. **Scott tail-wheel axis** vertical bolts should be replaced to prevent loss of the tail-wheel assembly.
16. **Tail-wheel leaf spring failures** TNS 06/88
17. **Undercarriage pivot bolts** should be replaced (or crack detected) at frequent intervals to prevent failures which may lead to significant damage. PA-18s, PA-25s, Citabrias, Bellanca Scouts, Austers etc.
18. **Unleaded MOGAS** CAA Airworthiness Notice 98C See TNS 12/99
19. **Water in Fuel** identification of water see TNS 06/97
20. **Bulk Fuel** Avgas contaminated by Diesel. Ensure safeguards and policy to prevent TNS 02/00
21. **Engines General** reminder that engines, propellers, magnetos, hoses have lives refer to LAMS schedule and manufacturers data TNS 08/00
22. **Duplicate inspections** Reminder that duplicate inspections are required if a control system or critical point is disturbed. TNS 08/00
23. **Torque loading** reminder to follow manufacturers specified torque loading TNS 12/00
24. **Heavy landings** Recommend "weight off" inspections following heavy landing TNS 12/00
25. **Weighing** BGA recommends that Motor Gliders and Tugs are reweighed every eight years Airworthiness Notice 38 gives guidance for weighing after painting..

Aeromot (Brazil)

Status	Subject	Detail	Reference information	TNS

Contact: X-Imangu UK Ltd, 01904 738653

Department De Aviaco Civil Airworthiness Directives

AMT 100 & 200 X-Imangu

M	Flexible hoses	replacement	AD 97-04-02, SB-200-79-036	10/98
M	Tailplane front bolt	inspection	AD 97-07-01, SB 200-53-042	10/97
M	Landing gear fork bolts	replacement	AD 97-09-06R1, SB 200-32-044	04/98
M	Landing gear failure		AD 98-05-05	06/98
M	Flight controls	Inspection of elevator driving rod	AD2001-10-01, SB200-27-078	10/01

Aer Pegaso (Italy)

Status	Subject	Detail	Reference information	TNS
Contact:				
Registro Aeronautico Italiano Airworthiness Directives				
AER PEGASO M-100S				
M	Rudder cable	inspection	AD 61-9/M100 S-1	
M	Fuselage panels	use birch	AD 62-10/M100 S-2, MB No3	
M	Tail end structures	reinforcement	AD 62-43/M100 S-3	
M	Structures	modification	AD 65-9/M100 S-4, MB No05,06 &07	
M	Winch launch	max. speed 54 Kts	AD 67-15/M100 S-6, TB 9/M100S	
M	Wing structure	plywood rib 16	AD 69-62/M100 S-5, TB 8/M100S	
M	Aileron spar	inspect at centre hinges	AD 69-78/M100 S-7	
M	Elevator	Control inspection	AD 69-132/M100 S-8, TB 10/M100S	
M	Lower Rudder	Inspection of welds	AD 70-96/M100 S-9	
M	Lower Rudder	Replacement of hinge	AD 71-56/M100 S-10, TB 11/100S	
CVT M-200				
	Rudder detached	lower hinge failed - inspect daily		10/90 & 10/86
M	Canopy catches insecure	modify them		06/93

Avia Stroitel (Russia)

Status	Subject	Detail	Reference information	TNS

Contact: Russia Sailplanes Ltd. 01432 851886

ME 7 & 8 (The ME 8 is not a BGA certified type)

	Elevator trim assembly	inspect for cracks/deterioration		08/98
M	Elevator operating lever	at fin base became detached - inspect before next flight		06/99
M	Security of control systems	mandatory inspections before next flight		08/99

AC4

NIL

Birmingham Guild, Yorkshire Sailplanes, Swales (UK)

Status	Subject	Detail	Reference information	TNS
Contact: Vintage Glider Club				
BG-135, YS55 (Consort), SD3- 15T				
M	Aileron root drive	suspect riveting	SDL/135/Mod 2	
M	Spar at wing root	missing rivets		
M	Aileron push rod	fouls fairlead	SDL/135/2/74	
M	Tailplane final drive	nuts fouling		
M	Release knob failure	no threaded insert		10/74
M	Flying controls bolts too short	stiffnuts not in safely		03/75
M	Tailplane spigots	secure with ‘Loctite’		10/75
M	U/C attachments	rivets missing in tube		10/75
M	Air brake mechanism jamming	in fuselage near wing root - inadequate clearance		04/76
	Aileron t/e bonded joint	bond failure		09/77
	Rudder cable stops slippage	Allowing rudder to jam on fin shroud		07/78
	Fuselage to wing lugs worn oval	repair by fitting bushes		10/79
	Spar rear web	cracks near the wing root		12/88
M	Air brake hinge brackets	screws not in safely		08/90

Bolkow (Germany)

	Status	Subject	Detail	Reference information	TNS
5.4					
5.5		**Contact:**			
		LBA Airworthiness Directives			
5.6		**BÖLKOW (MBB) Phoebus**			
	M	Rudder control arm	cracks aft of seat	AD 75-25	06/75
	M	Elevator drive fork end deformed	replace if necessary	AD 76-268, SB 27-60/1	08/76

Breguet (France)

Status	Subject	Detail	Reference information	TNS
Contact:				
905 Fauvette				
M	Tailplane	rigging pin not secured modify system		10/84
	Centre section	main spar (alloy) fitting corroded		10/84
	Air brake	failure of pivots at pilots lever		10/86

Caproni (Italy)

Status	Subject	Detail	Reference information	TNS
Contact:				
CAPRONI Calif A-21 & A-21S				
M	Wing flutter	aileron modifications	AD 76-117-A21-6	07/76
M	Drain holes	to be incorporated	AD 76-83, SB 76-06	07/76
M	Rudder pulley	replacement in undercarriage compartment.	TN 79/01	08/79
M	In flight break up	all flying tail to be modified		02/90

Carmam (France)

Status	Subject	Detail	Reference information	TNS

Contact:

For M200 also see under Aer Pegaso

JP36-15

M	Lightning strike protection	fit bonding		BGA
	U/C retraction lever	rubber grip stops lock functioning secure the grip		12/81

M-200

	Rudder detached	lower hinge failed inspect daily		10/90 & 10/86
M	Canopy catches insecure	modify them		06/93

Centrair (France)

Status	Subject	Detail	Reference information	TNS

Contact; Societe Nouvelle Centrair, Aerodrome – 36300 LE BLANC France. +02 54 37 07 96

DGAC and LBA Airworthiness Directives

Centrair 101 - Pegasus

	Rudder	Top rudder hinge cracked	SB 101-4	12/84
	Fuselage	frame inspection	SB 101-6	04/85
M	Aileron flutter	increase mass balance	SB 101-7	10/86
	Tow release guide fitting	min slack in cable 12 mm	SB 101-8	04/85
M	Rudder travel	restricted by pedal adjustment		10/89
	Trim spring failure	recurring		12/89
	Tailplane attachment (front)	fitting un-bonded, inspect annually		08/90
	Elevator	hinge mountings cracks		06/91
	Rudder pedals cracked	inspect "S" cable guides & tubes	SB 101-11	06/91 & 08/96
M	Airbrake operating handle	colour fades - replace handle	AD 91-113, SB 101-12	08/91
M	Wheel brake control	foul on u/c airbrake handle operated wheel brakes	SB 101-15	10/92
	Rudder travel restricted	by unsecured instrument pipes & wires		04/94
	Rudder & hook system jam	rudder pedal plastic tubes jam on winch hook with rudder adjusted fully forward		10/97
M	Limitations	Reduced max rough air speed (V_{RA}) and max aerotow (V_A)	AD 93-145A, SB 101-17	06/94
	L'Hotellier connections	annual check (BGA requires locking pins or sleeves)	SB 101-18/1	12/97
M	Battery	Reinforce mount for front battery, new factory supplied part	SB 101-19	06/97
	A/B & U/C handles	confusion avoidance fit different shaped handles (minor mod)	MM 101-10	10/98
M	Air brake controls in fuselage	weld failure mandatory change of part & annual inspections	AD 1995-261(A)R2, SB 101-16/3	04/99
	Fixed undercarriages	inspect for cracks	SB 101-20	12/99
M	Speed Brake lever	Replacement required if not already accomplished	AD 1995-26(A) R1, SB 101-16 r4	04/00
R	Air brakes	Apply simulated air loads to check paddle mount bolts for jamming		02/01
M	Flying controls	Aileron hinge pin inspection	AD2001-247A, SB101-22	06/01
I	Manual revisions	Flight and MM revision status list		06/01
R	Control cables	Cable swaging instructions	SB101-23	10/01
R	Flying controls	Modifications to rudder pedals	SB101/24	12/01

Centrair (France)

Status	Subject	Detail	Reference information	TNS
Centrair 201 A, B & B1-Marianne				
	Tailplane LE	inspect for debonding	SB 201-06	10/88
	Air brake handle, lower arm	cracked & failed	SB 201-07	08/90
M	Rudder pedals	inspect "S" tubes for cracks	AD 91-073, SB 201-08	06/91
M	Airbrake operating handles	colour fades, replace handles	AD 91-113, SB 201-09	08/91
M	Aileron mass balance	not secured	AD 92-088, SB 201-11	06/92
M	Elevator control	inspection	AD 95-085A	06/95
M	L'Hotellier connections	annual check (BGA requires locking pins or sleeves)	SB 201-15/1	12/97
M	Life extension to 12 000 hrs	after inspections	AD 95-060A, SB 201-12 (2)	02/98
M	Air brake controls in fuselage	mandatory change of part	AD 1999-055(A), SB 201-16	04/99
M	Rear canopy	Modification required to rear jettison Kit 201BE1580	AD 1999-055(A)R1	04/00
M	Service life	Extension of service life	AD 1995-060(A)R1	04/01
M	Flying controls	Aileron hinge pin inspection	AD2001-248A, SB201-19	06/01
I	Manual revisions	Flight and MM revision status list		06/01
R	Control Cables	Cable swaging instructions	SB201-20	10/01
R	Flying controls	Modifications to rudder pedals	SB201-21	12/01
ASW 20F & FL				
M	Flutter - flaps & ailerons	check mass balance & backlash	AD 85-19, SB 20-6	04/85
M	Canopy opening knobs	to be painted red	SB 20-7	
	Tow release guide fitting	min slack in cable 12 mm	SB 20-8	04/85
M	Trim knob modification	to avoid PIOs	AD 87-148, SB 20-12	12/87 & 02/88
	Aileron vibration	correct application & maintenance of tape	SB 20-11 & 12	12/87
M	Rudder pedals cracks & failures	inspect "S" cable guides & tubes & welds for cracks	AD 91-073, SB 20-13	06/91, 10/99 & 08/96
M	Airbrake operating handle	colour fades - replace handle	AD 91-113, SB 20-14	08/91
M	Wing extensions	use suspended until wings are modified to Mod 11	AD 92-223A/1, SB 20-16/1	10/93
M	Limitations	Reduction of max. rough air speed	AD 93-004(A), SB 20-17	01/93
	Rudder travel restricted	by unsecured instrument pipes & wires		04/94

Centrair (France)

Status	Subject	Detail	Reference information	TNS
	L'Hotellier connections	annual check (BGA requires locking pins or sleeves)	SB 20-19/1	12/97
M	Air brake controls in fuselage	weld failure mandatory change of part & annual inspections	AD 1995-260(A)R2, SB 20-18/4	04/99
M	Flying controls	Aileron hinge pin inspection	AD2001-246A, SB20-21	06/01
I	Manual revisions	Flight and MM revision status list		06/01
R	Control Cables	Cable swaging instructions	SB20-22	10/01
R	Flying controls	Modifications to rudder pedals	SB20-23	12/01

Alliance 34 (and SF34B)

M	Fuselage	Lifting of BGA restrictions after inspection	BGA 001/05/2000 Iss2	08/00
I	Manual revisions	Flight and MM revision status list		06/01
R	Control Cables	Cable swaging instructions	SB34-03	10/01

DG Flugzeugbau (Glaser-Dirks) (Germany)

Status	Subject	Detail	Reference information	TNS

Contact; UK Agents McLean Aviation 01904 738653

LBA Airworthiness Directives, Tech notes can be downloaded from the internet.

DG-100

	Rudder cables	inspect at pedals		07/76
	Water ballast	check for leaks		07/76
M	Wheel brake cable	incorrect routing may foul elevator control	AD 76-261, TN 301-2	08/76
M	Rudder hinge (top)	excess play allows rudder to disconnect	AD 76-262, TN 301-3	08/76
M	Aileron & u/c control	foul in cockpit	AD 77-123, TN 301-4	06/77
M	Tailplane attachment	modify lock assembly	AD 77-61, TN 301-5	03/78
M	Elevator control lever mounting	washer missing	AD 78-164, TN 301-6	12/78 & 03/79
	Airbrake control system	rod failure in centre section		08/79
M	Service life	Increase	AD 85-126, TN 301-11	
M	Canopy	Emergency release	AD 85-80, TN 301-12	
I	Service manual	Revision	TN 301-13	
	Rudder cable conduit	detached in rear fuselage		02/83
	Debris in the wings	fouls controls		08/83
M	Canopy jettison procedure etc	opening lever to be red	AD 86-136, TN 301-14	07/86
	Rudder separation in flight	inspect		12/88
M	Tailplane mounting (Elan)	speed restriction & non-aerobatic until welds are inspected	AD 89-131, TN 301-15	08/89
O	L'Hotellier connectors	Safety device	TN 301-16	
I	Seat harness	Instructions for new harness	TN 301-17	
M	Airbrake system	inspect & modify as necessary	AD 97-011, TN 301-18	02/97
O	Aerotow hook	Optional installation	TN 301-19	
O	Wingtips	Retrofit	TN 301-20	
M	Service life	special inspections to increase life above 3000 hours	AD 85-126 & 85-80, TN301/5	02/98
	U/C lever	must be fully home (against fuselage side) to lock U/C down		12/99
	Canopies	single piece canopies, improved canopy securing System & safer jettison	TN 301/21	02/00

DG Flugzeugbau (Glaser-Dirks) (Germany)

Status	Subject	Detail	Reference information	TNS
DG-200 & 202				
M	Speed & weight restriction	reinforce spar	AD 79-232, AD 79-313, TN 323-1	
	Rudder circuit becomes stiff	nylon conduits in rear fuselage loose		02/83
M	Flight and MM	amendments – canopy release	AD 85-80, TN 323-5	
M	Canopy jettison procedure etc	opening lever to be red	AD 86-136, TN 323-6	07/86
	Rudder separation	inspect rudder adjacent to bottom hinge		12/88
O	L'Hotellier	Safety device	TN 323-7	
O	Seat harness	Instructions for new harness	TN 323-8	
M	Airbrake system	inspect & modify as necessary	AD 97-011, TN 323-9	02/97
O	Aerotow hook	Optional installation	TN 323-10	
M	Service life	special inspections to increase life above 3000 hours	AD 85-80	02/98
	Canopies	single piece canopies, improved canopy securing System & safer jettison	TN 323/11	02/00
O	Brakes	Parking brake combined with airbrake securing device	TN323/12	04/01
DG-300				
	Elevator auto-connect misaligned	optional guide block introduced		04/87 & 08/85
M	Canopy jettison procedure etc	opening lever to be red	AD 86-136, TN 359-9	07/86
M	Aileron mass balance	increased	AD 87-1, TN 359-11	04/87
M	Weight and C of G revised	flight manual revisions	TN 359-13	04/88
M	U/C jammed	by bungee key rings		02/89
M	Wing root rib mod	at air brake drive, VNE restricted until completed	AD 89-22, TN 359-4	04/89
	Control system bearings	at wing root corroded		06/89
	U/C lever travel restricted	by locking paw fouling		04/90
M	Air brake slots	introduce drains		12/91
	Water ingress	Possible water ingress into elevator Controls in fin	BGA 009/10/2000 issue 1	10/00
	Canopies	single piece canopies, improved canopy securing		
I	Seat harness	Instructions for new harness	TN 358-18	
		System & safer jettison	TN 359-19	02/00

DG Flugzeugbau (Glaser-Dirks) (Germany)

Status	Subject	Detail	Reference information	TNS
DG-400				
M	Max cockpit weight	increased to 242 pounds	TN 826-8	02/85
M	Starter wiring revised		TN 826-9	02/85
M	Power plant vibration	crack checks & change engine mount	AD 84-157, TN 826-11	02/85
M	Fuel & ignition system mods	to accept fuel with alcohol	TN 826-12	04/86
M	Canopy jettison procedure etc	opening lever to be red	AD 86-138, TN 826-16	07/86
M	Powerplant modifications	3 year life on fuel lines and L'Hotellier connectors	AD 91-149, TN 826-24, TN826-25	12/91
M	Flexible wing tanks (fuel)	modify tanks	AD 83-171, TN 826-3	12/83
M	Inspections	Rotax 505 engine, canopy jettison & tow release	AD 84-155, TN 826-6	04/93
M	Fuel shut off valve gaskets	replace	AD 85-219, TN 826-14	04/93
M	Power plant cable guides	fouling	AD 85-223, TN 826-15	04/93
M	Engine extent/retraction	modify	AD 87-108, TN 826-18	04/88
M	Power plant wiring	inspection	AD 87-109, TN 826-19	04/93
M	Empty C of G range	manual revisions	AD 88-99, TN 826-20	04/93
M	Pneumatic fuel pump	plugged piece of hose loose	AD 88-99, TN 826-20	04/93
M	Locking of wing tip pins	engine vibration- damage	AD 88-99, TN 826-20	04/93
M	Rudder sealing		AD 93-010	04/93
M	Undercarriage collapse prevention	fit plastic block beside lever	SI 6-1	06/96
M	Propeller shaft failures	strengthened shaft to be fitted	AD 96-243, TN 826-32	10/96
	Electrical regulators	life limit on some Bosch regulators	AD 96-242, TN 826-33	10/96
M	Airbrake system	inspect & modify as necessary	AD 97-011, TN 826-34	02/97
	Noise reduction	fit DG 800 propeller & new fairing (non mandatory)	TN 826-36	02/98
M	Modification of Powerplant	In accordance with AD	AD90-43, TN 826-22	04/90
	Unleaded MOGAS (95 octane)	fuel system compatibility with Unleaded MOGAS change the drain valve seal. Part No 60504402 to be fitted	TN 826-35	02/96
	Engine	EGT gauges recommended to prevent engine overheating & failure		02/98
M	Service life	special inspections to increase life above 3000 hours	AD 85-126 & 85-80, TN 826-35	02/98
	Canopies	single piece canopies, improved canopy securing System & safer jettison	TN 826-39	02/00
O	Brakes	Parking brake combined with an airbrake securing device	TN826-40	04/01
M	Powerplant	Inspection of rear plate	AD 2001-346, TN 826-42	10/01

DG Flugzeugbau (Glaser-Dirks) (Germany)

Status	Subject	Detail	Reference information	TNS
DG-500 & DG-505 All marks				
M	Rudder sealing introduced		AD 93-009, TN 348/3 S&T	04/93
M	Limitations	No negative 'G' until airbrake mod is carried out	AD 94-295/2, TN 348/4T	12/94 & 02/95
M	Airbrake/wheel brake controls	fit strengthened lever	AD 92-357, TN 348-2-2	10/92
M	Belly hook cable jumps off pulley	fit wider pulley (near hook)	AD 1998-048, TN 348/9	02/98
M	Wheel brake hydraulic fluid	change every 4 years	AD 1998-048, TN 348/9	02/98
M	Service life	special inspections to increase life above 3000 hours	AD 85-126 & 85-80, TN348/9	02/98
	Landing gear	Front landing gear inspection & modification	TN 348/13	06/00
M	Flight Controls	Elevator control in vertical fin	AD1999-341, TN348/12	
M	Air Brakes (ELAN)	Modification to prevent flutter	AD94-242	
M	Ball bearings	Ball bearings and articulated rod ends in the cockpit area	AD2001-079, TN348/15	04/01
M	Flight manual revisions	rudder sealing & coolant reservoir	AD 93-009 TN 843/3S, TN843/3T	04/93
M	Fin Tank	FM changes	AD 96-154, TN 348/8	
M	Landing gear	Inspection of Teflon bush	AD 1999-383?, TN 348-13	
DG-500M, MB & 500/22M in addition to DG500 requirements				
M	Airbrake/wheel brake controls	fit strengthened lever	AD 92-358, TN 843/3-2	10/92
M	Manual rev. Rudder & Cooling	Details in AD	AD 93-010, TN 843/5	
M	Propeller mounting plate cracks	mods & 25 hour inspections	AD 97-224, TN 843/8	08/97
M	Belly hook cable jumps off pulley	fit wider pulley (near hook)	AD 1998-023, TN 843/9	02/98
M	Wheel brake hydraulic fluid	change every 4 years	AD 1998-023, TN 843/9	02/98
M	Service life	special inspections to increase life above 3000 hours	AD 85-126 & 85-80, TN843/7	02/98
M	SOLO engine modifications	Drive belt tension	AD 1999-383, TN 843/13	02/00
	Landing gear	Front landing gear inspection & modification	TN 843/14	06/00
	Unleaded MOGAS (95 octane)	fuel system compatibility with Unleaded MOGAS change the drain valve seal. Part No 60504402 to be fitted	TN 843/8	02/96
	Engine	EGT gauges recommended to prevent engine overheating & failure		02/98
M	Ball bearings	Ball bearings and articulated rod ends in cockpit area	AD2001-080, TN843/16	02/01
M	Flight Controls	Elevator control in vertical fin	AD1999-341, 843/12	

DG Flugzeugbau (Glaser-Dirks) (Germany)

Status	Subject	Detail	Reference information	TNS
DG-600M, DG-600-18M				
M	Flight Manual amendments		TN 866-1	10/90
M	Electronic stall warning system		TBA (Mandatory)	04/91
	Unleaded MOGAS (95 octane)	fuel system compatibility with Unleaded MOGAS change the drain valve seal. Part No 60504402 to be fitted	TN 866/6	02/96
	Engine	EGT gauges recommended to prevent engine overheating & failure		02/98
M	Service life	special inspections to increase life above 3000 hours	AD 85-126 & 85-80, TN866/6	02/98
	Canopies	single piece canopies, improved canopy securing system & safer jettison	TN866/8	02/00
DG-800A, LA, B & S				
	Mikuni carburettors	needle arm levers fretted		04/95
M	Ignition coil wiring	unsupported		04/95
M	Revised flight manual		TN 873-5	02/96
M	Fit internal flaperon & rudder seals	performance improvement (non mandatory)	TN 873/8	08/97
M	Engine Mods and manual changes	at 25 hour inspection (before 31/05/99)	AD 1999-167, TN 873/12	06/99
	SOLO engines (DG-800B)	modifications, drive belt tension reduced	AD 1999-377, TN 873/16	02/00
	Engine extension/retraction	SOLO engine inspections	TN 873/19	08/00
M	Powerplant	Powerplant and manual revisions	AD1999-269, TN873/13	
	Unleaded MOGAS (95 octane)	fuel system compatibility with Unleaded MOGAS change the drain valve seal. Part No 60504402 to be fitted	TN 873/8	02/96
	Engine	EGT gauges recommended to prevent engine overheating & failure		02/98
O	Brakes	Parking brake combined with an airbrake securing device	TN873/20, TN384/6	04/01
O	Wings	Dimple tape turbulators on the lower surface	TN873/21, TN384/7	04/01
O	Muffler (Solo engine)	Muffler lifting cable and rubber return cord	TN873/22	04/01
R	Manual revisions	Flight and maintenance manual revisions	TN873/23	04/01
I	Production change	V/Tail, steerable tail wheel, Powerplant & electrics.	800-13-00	04/01
M	Powerplant	Inspection of rear plate	AD 2001-340, TN873/25	10/01

Diamond Aircraft (formally Hoffmann) (Austria)

Status	Subject	Detail	Reference information	TNS

Contact: UK Agent- Airborne Composites (Tim Dews) 01985 40981

LBA and Austro Control Airworthiness Directives

HOFFMAN H-36 Dimona & HK-36 & HK-36-R Super Dimona

M	Aileron, elevator, wings	water accumulation	AD 82-236, TN 2	CAA
M	Wing	Composite skin inspection	AD 82-237-2, TN 3/2	CAA
M	Fuel tank	capacity check	AD 83-156, TN 6	CAA
M	Engine brackets	inspect and modify	AD 83-157-2, TN 7/2	CAA
M	Fuel systems	vapour lock	AD 84-205, TN 11	CAA
M	Aerobatics & spins	prohibited	AD 85-34, TN 12	CAA
M	Fuel tank	gel coat detached and restricts fuel flow, Optional - fit aluminium fuel tank	AC AD 60, AD 85-128-2, TN 13/1	08/85
M	Tailplane	50 hrs inspection, forward attachment rod end	CAA 002-08-85	10/85
M	Flight limitations & placarding	changed (CAA letter 9/97/CtAw/119)	AD 86-177-3	12/86
M	Elevator drive inspection	after rigging	CAA 010-08-85	12/86
M	Tail/elevator unit	front fixing inspection	AC AD 53, AD 87-93, TN 15/2	06/87
M	Shoulder harness fixings	inspection	AC AD 54, AD 87-94, TN 17	06/87
M	Wing to fuselage joint	additional bracing	AC AD 52/2, AD 86-177-3, TN 19	08/87
M	Wings	dimensional check main bolts	AC AD 55, AD 88-108, TN 24	08/88
	Fin skin separation	at top rudder hinge inspect		08/90
	Extension of service life	from 3 000 to 6 000 hours	AC AD 65, SB 25/1	02/92
M	Exhaust system	(Super Dimona) modify	AD 74, SB 33	12/93
M	Air brake system	(Super Dimona) modify	AD 74, SB 34	12/93
M	Elevator root rib	modification before 3000 hours or if damaged	AD 85, SB 51	08/96
M	Engine software	Check software version of engine TCU	AD 99, SB 66/1 Iss2	06/00

Eiri Avion (Finland)

Status	Subject	Detail	Reference information	TNS
Contact;				
National Board of Aviation Finland Airworthiness Directives				
Vasama Pik 16C				
	Wings	pin security in fuselage	SB M227/64/2	
M	Rudder cables	replace with 3/32” Mil spec 1511	SB M278/64/2	
M	Rudder pulleys	replace	SB M300/65/2	
M	Push rod end fittings loose	inspect	SB M784/78	04/88
Pik 20 series				
M	Tailplane	front fitting modify	SB M1	10/75
M	Elevator disconnects	secure connector with Fokker pin	SB M3	10/75
	Undercarriage	free operation of locking pin	SB M4	10/75
	Elevator and T P	shroud jamming	SB M5	10/75
	Rudder cables	worn against flap drive operating rod	SB M6	10/75
	Flap drive	knob insecure	SB M7	10/75
	Weight increase	450 Kg AUW, max water 140 Kg	SB M10	07/76
	Flaps	lubricate with Molycote	SB M12	10/76
M	Tow hook	Modification of Tost Europa hook	AD 735/77, SB M14	
M	Spar bonding	check for voids	AD 733, SB M17	07/77
M	Safety harness	“LIV” replace with LEKO/1	AD 746/77, SB M15	09/77
M	Flaps	Inspection & modification of flap gear rack	AD 736/77, SB M16	
M	Lightning strike protection	fit bonding		10/75
M	Tow rings	hang up in hook access hole, cut clearance		10/75
M	Rudder cable	failure, worn on u/c lever bolt ends	AD 779/78, SB M 18	04/78
	Wheel fouls landing gear	5 mm minimum clearance	SB M19	01/79
M	Water ballast - slow draining	tanks too long /pipes restricted	SB M20&21	06/79
M	Flap hinge covers	drill drain holes & grease hinge pins	SB 79/04/01	06/79
	Landing gear	play in rear torque tube	SB 79/04/07	06/79
M	Wing skin	incomplete bonding inspect & repair as necessary	SB M20D-24	06/80

Eiri Avion (Finland)

Status	Subject	Detail	Reference information	TNS
M	Rudder lower hinge failure	rudder separation modify	AD M1232/84, SB M 20-26	06/83
	Landing gear	corroded	AD M851/79, SB M22	
M	Rudder travel	restricted at extreme pedal adjustment, limit adjustment		06/84
	Aileron mass balances	detached annual inspection for corrosion	AD M1479/87	12/87
	Heavy landing	rudder lower hinge failed		04/89
M	Elevator control	foul in cockpit with flap lever leaf spring		06/90
M	Elevator control	foul in cockpit by misaligned trim spring fouling seat pan		02/94
	Elevator controls	uniball joint thread stripped		10/92
M	Cable release	relocation to improve pilot access		06/93
M	Landing gear	No locking on main wheel axle drill holes and fit wire-locking		06/97

Pik 20E (Powerplant) in addition to PIK20 series

M	Starting circuit	dual solenoids	CAA Notice N^{o} 33, SB M20 E	08/79
M	Engine down lock fouled	by restraint cable modify if necessary		04/80
M	Fuel tank chafed	by tow release cable clip - re-clip	SB M20 E3	04/80
M	Fuel tank chafed	by seat back cable tube clamps		02/94
M	Fuel flow restricted	pipe clamps too tight & dirt in fuel	SB M20 E4	06/80
M	Electrical system	mods to reduce consumption	SB H2SE-1A	12/80
	Fuel gauge inaccurate	calibrate		12/82
	Power plant wiring	damaged		12/82
M	Fuel flow	restricted by hose at filter check flow rates		10/94 & 12/85
M	Prop hub	bearing failure	CAA - AN 36, AD 90-239	08/99 & 10/90
	Electrical bonding	connection by pylon failed		06/94
	Intermittent ignition faults	cracked spark plug connector		02/99
M	Fuel System	inspection of fuel hose clips	AD M1200/83	
M	propeller	Inspection of propeller hub mounting	AD M1737/90R1	

Elliots of Newbury (UK)

Status	Subject	Detail	Reference information	TNS
Contact: Vintage Glider Club				
Oly 1&2				
	Control cables	damaged in wheel box		02/73
	Rudder	lower hinges cracked		12/76
	Elevator mass balance	insecure		08/90
	Elevator and ailerons	cracks		08/91 & 10/91
	Elevator	cracks in ply “spar web” near to actuator (sketch in TNS)		10/98
	Rudder hinge	lower bearing displaced		04/00
Oly 460 Series				
	Aileron bungees	deteriorated		02/73
	Airbrake lever on root rib	fractured by careless rigging		04/77
	Elevator hinge	castle nut & split-pin insecure		06/94 & 08/80
	Spar fitting washers cracked	inspect & replace as necessary		03/81
M	Main spar failure - corrosion	Mandatory inspection		12/96
M		Mandatory modification	BGA/OLY/460 Series 1/97	08/97

Flug Und Fahrzeugwerhe (Switzerland)

Status	Subject	Detail	Reference information	TNS
Contact:				
FLUG UND FAHRZEUGWERHE				
Diamant 16.5 & 18				
M	Elevator controls	excess play	AD 16-18	SB 04
M	Elevator controls	alignment at base of fin		09/73
M	Harness attachment	lack of strength - reinforce	SB 105	01/74
M	Wing spar root stubs	reinforce	AD 80-18-09, SB 07 & 08	03/79
	Elevator drive rod fork end	distorted inspect annually & after heavy landings	TN 09	03/79
	Lower rudder hinge failures	annual crack check	AD	12/81
	Rudder pedal rear support failure	inspect annually		02/97

Sportavia (Fournier / Aviostar) (France / Germany)

Status	Subject	Detail	Reference information	TNS
Contact:				
DGAC Airworthiness Directives				
FOURNIER / SPORTAVIA / AVIOSTAR				
RF-3				
M	Wing skin	inspection for cracks and inspection of glued joints	AD 67-39/1, SB 2	06/83
M	Limitations	normal category only placard “spinning prohibited”	AD 75-76	06/83
	Main U/C fork failed	inspect		06/98
M	Restrictions	Airworthiness Data Sheet	AD64-20	
RF 4 and RF4D				
M	Rear fuselage	bottom & rudder post inspect for water damage	CAA AD 83-49, SB S-02-82	06/83
	Main U/C fork failed	inspect		06/98
M	Fuselage	Inspection / repair of aft fuselage and vertical fin spar	AD83-15, TN S-02-82	
M	Tailplane	Inspection / replacement of the rear stabiliser mounts	AD85-207, TN S-01-85 / 1	
RF-5 & 5B				
M	Rear fuselage	bottom & rudder post inspect for water damage	CAA AD 83-49, SB S-02-82	06/83
M	Elevator mass	balance to be fitted (RF 5B), Mod 23	CAA AD 79-533/2	06/83
M	Airbrake system bolts in wings	inspect & replace as necessary	AD 92-351, SB S-02-91	12/92
	Wing fold	unlocked on take off		02/95 & 12/95
M	Fuselage	Remove ground handling bar from the fuselage and inspect for grinding marks in the longitudinal direction of the fuselage centre-line	AD72-24	
M	Propeller	Replacement of propeller boss bolts and centring bushes	AD72-25, WI A04-72 & SL S-02-72	
M	Fin	Inspection / repair of aft fuselage and vertical fin spar	AD83-15, TN S-02-82	
M	Tailplane	Inspection / replacement of the rear stabiliser mounts	AD85-207, TN S-01-85 / 1	

Glasflugel (Germany)

Status	Subject	Detail	Reference information	TNS
Contact; UK Agents Southern Sailplanes 01488 71774				
LBA Airworthiness Directives				
Libelle - Std, H201, H201B, H301 & H301B see also section 5.2.1				
M	Rudder cable conduits	to be secured, glued into place		10/75 & 08/73
M	Rudder control stops	reinforce in wheel box	AD 73-80	
M	Tailplane rigging	attachment guides reinforcement	AD 75-168, TN 201-20, TN 301-30	10/75
	Wheel axle failures	inspect for bending & cracking		09/77
M	Seat pan	distorts & fouls release cable reinforce as necessary		03/79
M	Elevator	linkage at base of stick cracked mandatory replacement	TN 201-22	12/80
	Heavy landing damage	inspect inter elevator links and brackets		05/81
	Trim springs broken	inspect for cracks, wear & corrosion		02/88 & 06/84
	Elevator vibration	minimise backlash		08/85
	Elevator attachment	cracks in tailplane bracket		12/85
	Rudder actuator	annual crack check mandatory (many have been found cracked)		04/88
M	Rudder cables (2.5 mm diameter)	replace all hemp cored cables	AD 87-83, TN 201-26	06/88
	Wing spar spigots	mounting plates corroded		04/93
M	Extension of service life	6 000 to 12 000 hrs with inspections(201 & 201B)	AD 94-265, TN 201-29	12/94
M	Control surface mass balance	limits changed ref BGA		04/96
	Spar stubs annual inspection	separation of laminate from fittings & fittings corrosion	TN201-31,TN301-36	04/96
M	Aileron drive shaft in fuselage	centre reinforce or replace or crack check annually	TN 201-33	04/96 & 06/96
	Elevator travel	restricted with gear up interference with wheel brake cable		04/97
M	FM amendment	High altitude flight	AD 84-11, TN 201-25	
Club Libelle (Glasflügel 205)				
M	Tailplane	rigging guides reinforcement serial Nos→107	AD 75-168, TN 205-6	10/75
	Rudder actuator	annual crack check mandatory		08/87
M	Elevator drive	bracket modification	AD 88-28, TN 205-16	04/88
M	Rudder cables (2.5 mm diameter)	replace all hemp cored cables	AD 88-07-05	06/88

Glasflugel (Germany)

Status	Subject	Detail	Reference information	TNS
M	Extension of life	from 3000 to 6000 hrs after inspections	AD 88-280/2, TN 205-15	04/89
	Spar stubs annual inspection	separation of laminate from fittings & fittings corrosion	TN205-19	04/96
Hornet A, B &C (Glasflügel 206)				
M	Tailplane	rigging attachment guides reinforcement Serial Nos 1→3	AD 75-168, TN 206-1	10/75
M	Air brake/aileron	bolts fouling in wheel well		08/76
	Rudder actuator	annual crack check mandatory or fit improved design		08/87 & 04/98
M	Elevator drive	bracket modification	AD 88-28, TN 206-12	04/88
M	Rudder cables (2.5 mm diameter)	replace all hemp cored cables	AD 88-07-05	06/88
M	Extension of life	from 3000 to 6000 hrs after inspections	AD 88-280/2, TN 206-12	04/89
	Elevator	hinge pins not secured	TN 206-16	10/91
M	Canopy lifting frame	worn mounting studs	AD 91-111, TN 206-16	10/91
	Spar stubs annual inspection	separation of laminate from fittings & fittings corrosion	TN206-17	04/96
M	FM amendment	High altitude flight	AD 84-11, TN 206-11	
Hornet C (only)				
M	Aileron mass balance	modify	AD 80-221, TN 206-9	12/80
M	Aileron mass balance	limits relaxed	AD 97-311, TN 206-18	12/97
M	Control surface mass balance	limits changed	AD 1997-311/2, TN 206-19	02/99
Glasflügel 401 (Kestrel 17) & Glasflügel **604B**				
	Glasflugel 401 see Slingsby T59, Kestrel 17 for general information			
	Rudder drive	annual inspection mandatory	AD 86-221, TN 401-19, TN 604-2	02/87
M	Rudder cables	Inspection & replacement	AD 71-10, TN 401-10	
M	Airbrake drive rod	ends failure at weld replace rod ends in wings	AD 79-233, TN 401-16	06/79
M	Service life	3,000 to 6,000 hrs after inspections	AD 81-266, TN 401-17	
M	Rudder cables (2.5 mm diameter)	replace all hemp cored cables	AD 87-83, TN 401-20	06/88

Glasflugel (Germany)

Status	Subject	Detail	Reference information	TNS
M	Control surface	mass balance limits changed	AD 96-139, TN 401-25	04/96
	Spar stubs annual inspection	separation of laminate from fittings & fittings corrosion	AD 96-133, TN 401-24, TN604-5	04/96
M	FM amendment	High altitude flight	AD 84-11, TN 604-1, TN 401-18	

Mosquito & Glasflügel 304

M	Canopy jettison	inoperative check that pip pins are fully home	AD 79-322	08/79
	Rudder actuator	annual crack check mandatory or fit improved design	08/87 &	04/98
M	Elevator drive	bracket modification	AD 88-28, TN 303-12, AD 88-28, TN 304-3	04/88
M	Canopy lifting frame	worn mounting studs	AD 91-111, TN 303-18	10/91
	Rudder pedal	lower mounting tube fatigue failure at fixing pin hole		12/98
M	Life extension	Extension of service life at 3000 hrs	AD 88-281, TN 303-13, TN 304-4	
M	Life extension	Extension of service time and supplements	AD 2000-318, TN 303-22 TN 304-9	10/00
M	Ailerons	Carbon fibre aileron mass balance	AD 95-102, TN303-21	
M	FM amendment	High altitude flight	AD 84-11, TN 303-10, TN 304-2	

Grob (Germany)

Status	Subject	Detail	Reference information	TNS

Contact: UK Agent Soaring Oxford 01869 881495

LBA Airworthiness Directives

Single Seat Astir Series

	Aileron connectors	disconnect & rods jam		10/87 & 08/79
M	Marks to align tailplane	(not CS)	TN 306-15	03/81
M	Fixed wheel variants	reinforcement of wheel mount	BGA Mod Astir/1/83	04/83
M	Rudder pedal slide unit	inspect for cracks	AD 83-43, TN 306-21	06/83
	Speed brake paddle	lever arm cracked		03/82 & 12/83
	Aluminium fuselage main frames	inspect frequently for cracks		04/84
	Lower rudder hinge	(not CS) cracks in GRP		06/85
M	Airbrake bellcrank in wings	failure - replace with solid type	TN 306-26	06/85
	Elevator control rods	corroded in rear fuselage		08/87
	Elevator vertical drive	loose rivets		08/87
	Wing to fuselage attachments	balls missing (should be six per socket)		10/87
	Top harness attachments	secure around transverse tube and through buckle 3 times	RS 306 & 320	12/87 & 01/93
	Retractable u/c hinge bars	circlips come off - replace with split pins		12/98 & 06/88
M	Wing root spigot	replacement mandatory for all models	AD 91-005/2, TM 306-29, TM 320-5	02/91
M	Inner elevator hinges	mountings cracked/detached	AD 89-209/2, TN 306-27/1	08/91
	Undercarriage lever retaining bolt	loose in GRP		06/92
M	Airbrake stops	inspection	AD 92-356, TN 306-31	12/92
M	Elevator drive cracked	replace	AD 94-317	12/94
	Frame at base of the fin	fractured by ground loops - causes tail end flutter		06/95 & 04/95
	Life extension -	3000 to 12000 hours after inspections & mods	TN 306-30/2	06/96
	C of G ranges	differ after serial 1438, 1002→1437 - 250 to 425^{mm} aft, 1438→1536 - 310 to 480^{mm} aft		04/99
	Tow hook back release	If wire launched with adverse yaw may have difficulty Releasing		02/00

Grob (Germany)

Status	Subject	Detail	Reference information	TNS
CS only				
M	Control column pivot	safety clip to secure bolt	TN 102-4	08/76
M	Tow hook	installation reinforcement serial numbers →1175	AD 76-226, TN 102-3	08/76
M	Ailerons	fit stops	TN 102-7	09/77
M	Hook release	inspect pulley bearings	AD 77-235, TN 102-6	11/77
M	Tailplane attachment ball	cracked at thread - replace	TN 306-17	09/81
M	Tailplane rear attachment pins	replace	TN 306-17	09/81
	Tailplane front location ball	check for wear annually - fit oversized ball	TN 306-17	09/81
	Tailplane locking insecure	plunger not seating (optional mod)		08/92, 12/86 & 08/86
	Rudder hinges	debonding		04/87
M	Airbrake stops	inspection	AD 92-356, TN 306-31	12/92
M	Wing root spigot	replacement mandatory for all models	AD 91-005/2, TM 306-29, TM 320-5	02/91
CS, CS77 and Jeans				
M	Rudder system	replace operating lever with solid type	AD 78-30, TN 102-8	03/78
M	Rudder pedal/tow release	foul with pedals fully forward - mod as required		04/80
M	Inspection cover - top fuselage	safety device required	AD 80-96, TN 306-13	06/80
M	Rudder pedal adjustment	check for full deflection in all positions		08/91
	Water ballast control detached	ailerons jammed		10/94
M	Elevator drive lever	replacement	AD 94-317/2, TN 306-30&33	12/94 & 06/95
M	Airbrake stops	inspection	AD 92-356, TN 306-31	12/92
M	Wing root spigot	replacement mandatory for all models	AD 91-005/2, TM 306-29, TM 320-5	02/91
Grob 102 Club Astir II, III & IIIb and Std Astir II & III				
M	Canopy locks	(Mk II s only) fit improved springs	TN 306-14	08/80
M	Rudder pedal slide unit	inspect for cracks	AD 83-43, TN 306-21	06/83
	Inner elevator hinges	loose	TN 306-27	12/89

Grob (Germany)

Status	Subject	Detail	Reference information	TNS
	Airbrake stops	inspection	AD 92-356, TN 306-31	12/92 & 10/94
M	Elevator flutter	Vne restrictions	AD2001-317/2, MSB306-36/2	12/01
M	Wing root spigot	replacement mandatory for all models	AD 91-005/2, TM 306-29, TM 320-5	02/91

Speed Astir II & IIB

M	Canopy jettison & flap lock	springs modify		08/79
M	Canopy locks	improved springs	AD 80-178, TN 320-2	08/80
M	Wing root spigots	replace	TN 320-5	02/91
	Airbrake stops	inspection	AD 92-356, TN 320-6	12/92
M	Life increase	to 12 000 hours and service manual changes	AD 1998-480, TN 320-7	02/99
M	Elevator	Markings to ensure correct assembly	AD 80-303, TM 320-3	
M	Wing root spigot	replacement mandatory for all models	AD 91-005/2, TM 306-29, TM 320-5	02/91

Twin Astir, Twin Astir Trainer, G-103 Twin II, G-103A Twin II Acro, G-103C Twin III & Twin III Acro

	Wheel brake back plate	torque stud fractured			07/78
M	Airbrake locking lever	replace with solid type	serial numbers→3040	AD 79-258, TN 103-5	06/79
M	Aileron & airbrake controls	screws loose	serial numbers→3255	AD 79-331, TN 315-6	08/79
M	Controls	Change elevator trim tube		TN 315-13	05/81
M	L'Hotellier connectors	replace with stronger type		AD 81-125/2, TN 315-12	09/81
M	Flight manual	correction of pages		AD 83-6	
M	Rudder Pedals	Inspection		AD 82-132, TN 315-20	
M	Cable release knob	jams ailerons - modify			12/83
	Rudder cables	damaged at "S" bends			06/84
M	Airbrake lever failure (front)	replace		AD 85-222, TN 315-29	12/85
	Airbrake lever failure (front)	failure			10/98
M	Rear rudder pedals	parallel lever - replace		AD 85-191, TN 315-30	12/85
M	Airbrake stops fail	levers foul wing skins & jams brakes out		AD 85-236, TN 315-31	12/85
	Side hinged rudders	delamination of fin skin at hinges			08/86
M	Front canopy lock	colour code for open/shut			08/87
M	Aft hook release knob	modifications to prevent it jamming the stick		AD 87-140, TN 315-32	08/87

Grob (Germany)

Status	Subject	Detail	Reference information	TNS
M	Rear rudder pedal lever	replace	AD 87-168, TN 315-33	10/87
M	Elevator push-rod	corrosion (G 103A) lower end of fin rod	AD 88-1, TN 315-14	04/88
M	Wing root end spigots	replace	AD 88-176, TN 315-36	10/88
M	Control systems (G 103 & 103A)	inspections & mods	AD 88-175, TN 315-37	10/88
M	Foul between aileron & airbrake controls in centre section		AD 89-5/2TN 315-38	02/89
	Aileron mass balance	cracks - inspect		02/86 & 04/89
M	Airbrake handle (G 103C Acro III)	fit new hinged lever	TN 315-39	08/89
	Tow hook	front mounting bracket cracked		02/91 & 10/89
	Manual & placard amendments	G-103C only	TN 315-40	12/89
M	Rudder pedal unit (G-103C only)	fit new spindle & guide	TN 315-41	12/89
	Rudder drive	failure at fork end at rudder		06/90
M	Aileron lever	placard for correct assembly	AD 89-005/2, TN 315-38/1	06/90
	Wing to fuselage joiners	inspect after ground loops		02/91
M	Airbrake stops	inspection	AD92-356, TN 315-49	12/92
M	Life extension	to 6000 hrs	AD 81-268, TM 315-15	
M	Life extension	from 3000 to 12 000 hrs. after inspections & mods	AD 92-190/2, SB 315-45/2	08/96
M	Airbrake lever (over centre)	replace	AD 92-309/2, TN 315-47/2	04/93
M	G.103 Twin III	extended limitations	AD 93-134	08/93
	Rudder cable pulleys	cracked		01/93 & 12/94
	Front rudder pedals (G 103C)	slide rod fractured		06/96
M	Emergency exit	fit placard detailing procedure		06/96
	Canopy jettison handles	disengaged from jettison systems - check		08/97
	Rear release cable	jams between panel & coaming. Hook held open		10/97
	Airbrake over-centre adjustment	must be correct to avoid un-demanded opening		12/97
	Option to remove belly hook	fit dummy hook (aerotow only)	TM 315-35/2	04/98
	Front rudder pedals	mounting plate partial disbonding - inspect		12/98
M	Rear stick knurled nut cracks	replace	AD 1999-216, SB 315-61/2	08/99
	Control cables	Cable release failed at swage at release hook arm		04/00
M	Service life	Inspections at 3000 hrs	AD 84-58, TN315-26	
M	Elevator	incorrect rigging, fit markings	AD 81-53, TM 315-11	

Grob (Germany)

Status	Subject	Detail	Reference information	TNS
Grob G-103 Twin 3 SLMG				
M	Drive belt failure	upper pulley wheel inspection	AD 92-352, TM 869-4	12/92
M	Transmission drive pin	replace	AD 92-354, TM 869-5	12/92
	Cable release	swage failed		04/00
Grob G-109 & G-109B				
M	Flight manual revisions		AD 83-6, TN 817-8	
M	Main landing gear	fractures	AD 85-132, TN 817-19	12/84
M	Flight manual revision	C of G range and spin recovery	AD 83-104, TN 817-10	06/85
M	Main undercarriage beams	fit new type	AD 83-104, TN 817-10	06/85
M	Flight manual changes	mandatory	TM 817-17	06/85
M	Flying controls	modifications to avoid aileron flutter	AD 85-218/2, TN 817-20	12/86
M	Flight and maintenance manuals	change of pages	AD 86-219, TN 817-22	
M	Elevator two inner hinges	replace	AD 88-50, TN 817-25	04/88
M	Spar spigot	crack check every 300 hours	CAA AD 006-10-88, TN 817-20	02/90
	Quiet exhaust system	non-mandatory mod	TM 817-26	06/90
	Corrosion of bolts	in wing root attachments		06/91
	Hot air shutter valves	cracked, failed & and butterfly screws loose		10/86, 12/92 & 10/91
M	Bendix Magnetos (G 109B)	impulse coupling inspection	AD 92-189, TN 817-34/2	08/92
M	Aileron & airbrake bell crank	attachments corroded	AD 90-315, TN 817-29	06/92
	Rudder	bell crank cracked & failed		08/92
M	Extension of service life	beyond 3 000 hrs after inspections & mods	AD92-198, TN 817-28/1	08/92
M	Elevator and trim tabs	drain holes	AD 92-350, TN 817-35	12/92
	Exhaust system -	leaks & install CO_2 detectors & 100^{hr} inspections	AD92-359, TN 817-32	12/92
M	Airbrake stops	inspection	AD 92-356, TN 817-36	12/92
M	Fuel cock	replacement of seal	AD 87-142/2, TN 817-23/1	12/92
M	Undercarriage	1000 flight inspections and change of parts	AD 94-004, TN 817-39	10/93 & 04/94
M	Pulleys in wheel brake system	cracked replace nylon with aluminium		04/94
	Carb float valves & diaphragms	inspection	TM 4601-7	02/94
	Valve seats	inspection	TM 4601-8	12/94

Grob (Germany)

Status	Subject	Detail	Reference information	TNS
M	Spark plugs	Champion REN 30 S approved	TM 4601-9	12/94
M	Engine operator’s manual	new introduced	TM 4601-10	12/94
M	Rudder system	fit damper and new bellcrank	AD 94-262, TM817-38	12/94
M	Engine mounting frames (G109 B)	inspect for abrasions	AD 95-362, TM 871-45	12/95
	Tail wheel springs	damage rudder push-rod		06/97
	Pitch change bolt failure	various causes detailed in TNS		02/98
	Canopy jettison control	jammed by screws that attach roof trim		06/98
M	G109B - CAA flight manual change	quoted performance reduced	CAA Ref 1236/41491	04/99
	Unleaded fuel permitted after mods	(banned by CAA - AN 98/98A)	SB.817-46	02/00 & 08/99
	Fuel filter	Replacement of fuel filter	SL 109-1	06/00
M	Flying controls	modifications to avoid aileron flutter		
		CAA Variation of LBA AD 85-218/2	CAA AD 012-11-86, TN817-20	12/86
R	Flying controls	inspection of air brake control rod	BGA 022/10/2001 iss1	10/01

IAR S.A. Brasov (Romania)

Status	Subject	Detail	Reference information	TNS

Contact: IAR S A Brasov, 2200 Brasov, PO Box 198 Romania. +40 68 465108

Service bulletins classed as mandatory by Romanian CAA

IS-28 B2

M	Drain holes	inspect & clear as necessary		10/75
M	Airbrake/trim controls	foul in cockpit		10/75
M	Release cable/rudder adjustment	foul mod as required		09/77
M	Rudder pedal bearings	secure in housing		04/78
M	Seat back fittings		SB E0-6	01/79
M	Wing junction locking		SB E0-7	01/79
	Canopy locks insecure	modify (non - mandatory)		01/81
M	Accelerometer	required for aerobatics	SB E0-9	03/81
	Wing root locating pins	inspect for scores that may lead to cracking		12/82
	Aileron push-rod	bent at aileron		12/82
	Air brake/wheel brake	interconnect may restrict airbrake travel - adjust		12/82
M	Air brake ball joint	failed at thread, check adjustments		12/82
	Air brake “snap” connector	behind seat unlocked - tab washer failure		02/83
	Flaps	cracked at root rib		06/85
	Structural safe life increased	to 10 000 hours/30,000 flights after inspections	SB E0-13	06/85
M	Dual fork end in aileron circuit	replace	SB E0-14	12/85
M	Locking wire (brass)	to be replaced	SB E0-10	12/87
M	Airbrake handle breaks off	inspect before next flight & reinforce before 1/1/2000		06/99

IS-28M2 & IS-28M2A

M	Product improvement	The following Mods should have been embodied before 1983: -145,		
		147, 149, 153, 154, 155, 156, 165 & 167	IS-28M2/CO-2	04/84
M	U/C structure strengthening	and fitting micro switches	CR-6 & 7	04/78
M	Placard	landing gear lock	IS-28M2/EO-3, Mod 198	04/84
M	Landing gear	down lock indicator	IS-28M2/CO-4	04/84
M	Maintenance & flight manual	amendments	IS-28M2/EO-5	04/84

IAR S.A. Brasov (Romania)

Status	Subject	Detail	Reference information	TNS
M	Overhaul life		IS-28M2/EO-8	04/84
M	Flying controls	brass locking wire to be replaced (see CAA 014-11-82)	IS28M2/EO-10	04/84
M	Speed limitations	placards & flight manual amendments	IS28M2/EO-11	
M	Life increase after inspections	to 4000 hours/25 000 landings	IS28M2/EO-12	06/85
M	Rudder box axle rivet	replace	IS28M2/EO-13	
M	Aileron controls	inspect rods for bending & cable locking wire	CAA 014-11-82	
M	Wheel brake	Bowden cable support replace with modified type	IS28M2/EO-14	06/86
M	Rudder pedal stops	replace with modified type	IS28M2/EO-14	06/86
M	Airbrake handle breaks off	inspect before next flight & reinforce before 1/1/2000		06/99
IS-29				
M	Tailplane mass balance	secure at tailplane		10/75
	Flaps jammed negative	backlash in press button linkage		01/76
	U/C structural failures	inspect		08/76
M	Drain holes inadequate	drill extra as necessary		09/78
	Release cable	failure at split ferrule		09/78
	Flap lever	cracked near locking mechanism		04/80
	Structural life limitations		SB E0-11	12/85
M	Airbrake lever fouls flap lever	unlocks flaps - modify system		04/90
IS-30				
	AUW increase	from 590 Kg to 610 Kg		10/86
M	U/C structural failure	reinforcement introduced	SB CR3	04/87
M	Airbrake handle breaks off	inspect before next flight & reinforce before 1/1/2000		06/87 & 06/99
IS-32				
M	Life limitation	3 000 hours 15 000 launches	EO-2	04/87
M	Airbrake handle breaks off	inspect before next flight & reinforce before 1/1/2000		06/87 & 06/99

Issoir Aviation (France)

Status	Subject	Detail	Reference information	TNS

Contact:

D-77 Iris and E-78 Silène

M	Lightning strike protection	fit bonding		BGA

LET (Letecké Závody) (Czech Repulic)

Status	Subject	Detail	Reference information	TNS

Contact; LETECKE ZAVODY, as, 686 04 Kunovice, Czech Republic. +420 632 554496. E-mail [ots@let.cz]

Service bulletins made mandatory by the Czech CAA and UK CAA Airworthiness directives

Blanik L-13 and Vivat Motor Glider

M	Towing equipment	Mod to hook & replacement of cable	CAA 0838 PRE 78	
M	Controls	To be labelled	CAA 0839 PRE 78	
M	Canopy	Deletion of canopy retaining strap	CAA 0840 PER 78	
R	Instruments	Inspection of LUN1211.1 T/B indicator No 61>	SB L13/010	
R	Controls	Inspection of rudder pedals	SB L13/019	
R	Canopy hinges	Modification to prevent cable hang up on hinges	SB L13/021	
R	Wing	Modification to wing spar web	SB L13/023	
R	Controls	Inspection & replacement of control rods	SB L13/025	
	Rudder cable	failures at under-floor pulleys tension cables correctly	SB L13/030	10/75
M	Nose hook jamming	incorrect hook tongue adjustment		04/75
M	Top rudder hinge	bracket on fin failures rudder detaches	SB L13/034 & L13/40	06/75 & 10/75
	Nose hook	inadvertent release weak & broken springs & foot operation by passenger		10/75
R	Technical Manual	Alterations	SB 13/042	
M	Air brake torque tube	cracked at wing root reinforce	Mod SK-L13.208	03/75
	Life extension	to 25 000 launches & 5 225 hrs after spar inspections	SB L13/045, LET/8/4512/78	04/84
	Tail wheel	strut failure damages elevator, reinforce strut		02/77 & 07/77
R	Technical Manual	Alterations	SB L13/046	
M	Cable release	lever mount on bulkhead No 1, reinforce	SB L13/047	03/78
M	Wing root spar	spacer cracked inspections required	SB L13/048 & L13/053	12/81
M	Outer elevator hinges on TP	cracked inspect and repair as necessary	SB L13/052	01/79
	Fin spar	frames 13 & 14 cracked, repair schemes		01/81 & 12/81
	Top harness	attachments cracked		01/82
	Airbrake lever	clevis pins jam on cockpit side cover plates		01/82
M	Reinforce wings		SB L13/055	07/82
R	Flight manual	Amendment	SB L13/056	
R	Instructions	For pilots and Flight manual amendment	SB L13/058	

LET (Letecké Závody) (Czech Repulic)

Status	Subject	Detail	Reference information	TNS
R	Service life	Data unification of overhaul life	SB L13/059	
	Undercarriage	fatigue failures inspect system & mounts frequently		08/83 & 06/84
	Tow release	layshaft brackets in nose cracked, inspect	FAA AD 78-23-14	10/84
	Overhaul periods	manufacturers recommended	SB L13/061	06/86
	Wing upper spar boom	root end - corrosion		08/88
M	Wing root spar strap	cracked, inspections required	SB L13/062	04/93
	Cracking of wing ribs	inboard of speed brakes		06/94
M	Elevator drive	incorrect rigging colour code	AD-4-099/98, SB L13/082a	02/76, 12/83 & 04/99
M	Tailplane	front attachment frame in fuselage NDT & replacement		
		Correction to SB L13/085	AD-T-112/1999R1, SB L13/085a	02/00 & 04/00
M	TBO Extension	Inspection B,C,D & TBO extended	SB L13/092b	06/00
M	Fuselage	Bulkhead 13 cracking	BGA 012/03/2001 issue1	04/01
I	Type certificate	Change in Type certificate owner	IB L13/094b	12/01
M				

Super Blanik L-23

M	Tail wheel & attachment	modifications	SB L-23 009&010	10/92
M	TBO Extension	Inspection of 2,3 & 4 types extended	SB L-23/038	06/00
I	Type certificate	Change in Type certificate owner	IB L23/040b	12/01

Solo L33

M	Wings	Replace wing attachments & spar root pins at 1500 hours	AD-1-024/98	06/98

MDM (Poland)

Status	Subject	Detail	Reference information	TNS
Contact:				
MDM Fox				
M	Elevator trim	Introduction of safety clamp for trim spring	BO 15/00	10/00
M	Air brakes	Bevel gear inspections (used SZD parts)	BGA 018/05/2001 issue 2	06/01

Pilatus (Switzerland)

Status	Subject	Detail	Reference information	TNS

Contact: Dietmar Poll, EWMS Technomanagement Ltd, Newmatt 18, CH-1736 St Silvester, Switzerland.

PILATUS B4

M	Canopy catch	fit limiting cable	SB 1001	
M	Crotch strap	fouls rudder cables	SB 1002	
M	Aileron	bell crank pin fouling	SB 1003	
	Control systems	lubrication	SL 101	
M	Seat latch pins fouling	serial numbers 1→140	SL 102	
M	Gear down lock cracks	fit thicker locking plate		07/76
	Rudder cables	escape from keyholes guides - wire or tape around guides		12/76
	Elevator drive rods	rivets loose in fittings		12/85
M	Airbrake system	fit stops & check rivets for looseness	SB 1004	04/86
M	Drag spar pin improperly engaged	inspect & modify if necessary		08/88
M	Drag spar bushes	to be secured may fall out of de-rigged gliders		10/75 & 10/90
	Fin to fuselage joint corrosion	inspect for paint cracks		04/96
R	Tailplane	Tailplane mounting inspection following H/Landing, Ground loop		
		Or severe turbulance	BGA 018/05/2001 issue 2	06/01

PZL (Poland)

Status	Subject	Detail	Reference information	TNS

Contact: Alstar PZL Glider, U1. Cieszynska 325, 43-300 Bielesko-Biala, Poland. Fax +48 33 8123739
And Jerzy Biskup, Glider Service, 43-316 Bielsko-Biala, ul. Bociana 13, Poland. +48 33 8662080

Bocian SZD-9bis-1D & 1E

	Main wheel seizure	lubricate		09/73
	Centre section steel tube structure	cracks at welds – inspect	SB BE 016-79	06/80 & 10/79
	Elevator rod fork end fatigue failure	caused by bending. Adjust inspect/ replace with steel as necessary		12/79
	Air brake cables	frayed in centre section		04/80
	Rudder hinges cracks & failures	aggravated by incorrect adjustment of stops		12/79, 06/80 & 12/80
	Rudder hinge	(lower) fractured modification recommended		09/81
	Rudder systems	failures below floor, cables, pulleys & pulley bearings		03/75 & 02/84
	Spar boom spanwise cracks	in depth inspections required after suspect overloading		04/84
	Spar root inspection	cracks & corroded & undersized bolts		08/84 & 06/84
	Elevator horn attachment	rivets sheared inspect frequently		06/84
	Frame forward of fin	cracks at elevator drive mounting		08/87
	Wing/fuselage fittings	crack check /repair scheme	SB BE 020-86	10/79
	Wing/fuselage fittings	allowable repairs	SB BE 027-86	12/87
	Tailplane support structure	cracks		04/88
	Rudder pedal mounting (front)	cracks/failure of front bracket near pivot holes		03/82 & 10/88
	Rudder pedals (rear)	bent pedal fouls floor & restricts travel		12/88
	Air brake handle	fractured below the slide		02/91
M	Winch tow hook - attachments	structural failure - reinforce/repair		02/87 & 12/91
	Cable releases	dual pulley assembly cracked		02/92
	Undercarriage failures	damaged components		09/81 & 02/92
	Undercarriage failures	cracks around wheel-box		08/95 & 10/95
	Air brakes - stop over-ridden	drive failure at paddle - rod end cracked		10/89 & 04/92
	Extension of life	above 3000 hours after inspections		10/92
	Aileron operating horn (centre)	detached from aileron spar		06/93
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94

PZL (Poland)

Status	Subject	Detail	Reference information	TNS
	Air brakes - pilots lever	failure adjacent to front seat		02/91 & 04/95
M	Trim cable failure at tab	install swivel to prevent cable fatigue		04/89, 04/97 & 12/98
I	Canopy	Rear canopy unlatched in flight		04/01
Foka (SZD-24)				
	Wing failure (USA)	inspection of glued joint		01/75
	Heavy landings	may displace elevator lever in centre section		09/81
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
Cobra				
	Rudder cables pulleys	seized in rear fus. leads to cable wear and failure		08/76
	Rudder cables	failure/corroded		02/77
	Rudder cables pulleys	foul instrument panel		08/79
	Tailplane attachment	thread stripped repair with “Helicoil” inserts		08/79
	Wheel hub cracked at bolt-holes	repair by TIG welding		04/80
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
Puchatek KR-03A				
M	Tailplane	Replacement of tailplane fittings	SB 29/KR03A/9304/94	
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
M	Fatigue life/flying time	Limited to 5000 hours	BE-35 KR-03A/99	08/99
Pirat (SZD 30)				
M	Elevator hinges	inspect/replace	SB 006 & 007/73	
	Rear fuselage	cracks at inspection panel	SB 009/73	
M	Rear fuselage	reinforce at fin joint	SB 011/73	
M	Aileron hinges	replace centre hinges	SB 012/74	
M	Seat back	insecure		10/74

PZL (Poland)

Status	Subject	Detail	Reference information	TNS
	Trim cable	failure at tab		06/75
	Control rod ends	loose and swaging cracked - leading to failure		06/91 & 10/75
	Tow release cable	frayed at Bowden outlet		04/76
	Tailplane	cracks in spar end and at fin slot		12/76
	Rudder cables	repeated failures		06/77
M	Rudder lower hinge	stiff nut missing		07/77
M	Control cable	contaminated with glue		12/80
	Air brakes	bell crank bracket & fork end failures in centre section		06/79 & 03/82
M	Tow release jammed	loose ferrule fouls on pulley - secure ferrule		04/83
	Main wheel hub plates	cracked at bolt holes		06/84
	Life extension	to 3 200 hrs & flight restrictions beyond 2 600 hrs	SB 030/90	10/91
M	Rudder deflections	extended rudder	SB 032/92	10/92
	Aileron operating horns	loose		06/93
	Rudder cables jamming	at frame, pulley & guards displaced		12/93
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
	Glued joints	inspection of wing centre section	SB-033/93	04/94, 06/91, 01/93, 12/93
	Aileron connecting rod in c/s	broken at end of thread during rigging or de-rigging		08/97

Jantar- all models also see separate sections

M	U/C fails to lock down	prevent pushrod guide tube in cockpit rotating		06/77
M	Seat back	insecure with neg. G - secure it		12/85
	Rudder cables	corroded in conduits - inspect	SB 027/86	12/86
	Push rod roller guides	rollers' brass bearings fail – inspect		08/87
	Wing to fuselage connection	compensation for free play	SB 032/87	04/88
M	Trim spring	fouls on floor	SB 063/88	1988
	Push rods	wear on guide rollers	SB 043/92	10/92
	Push rods	splitting at end fitting swages - inspect		08/94
	Aileron actuator bushes	corroded - system friction increased		10/97
M	Flying controls	Inspection of NYLON air brake gears (identified by ball type self connecting wing controls)	BGA 017/04/2001 iss2	06/01

PZL (Poland)

Status	Subject	Detail	Reference information	TNS
Jantar- all "T" tailed models Also see separate sections				
	Lower rudder hinge	wooden supports come loose – inspect		02/87 & 06/77
	Lower rudder hinge	split pin failed - inspect/replace		02/90 & 03/81
	Tailplane centre rib	inspect for looseness		03/81
M	Elevator travel	restricted by bellcrank foul in fin		04/88
	Elevator bellcrank	in base of fin corroded – inspect		04/91
Jantar 1 (SZD- 38A)				
	Flap lever	cracks adjacent to drive point		06/77
M	Spar root	strengthening	SB 04/76	07/77
	Flap plywood pushrod supports	come loose - inspect frequently for asymmetric flap		01/78
	Main spar spigots	replace at 1500 hours	SB 032/87	06/94 & 04/88
	Life extension	to 4500 hours after spigot replacement	SB 036/89	02/90 & 06/94
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
Jantar 2 & 2B (SZD- 42-1 & 2)				
	Nose ballast weights	inspect mounting	SB 030/87	04/88
	Extension of life	from 1500 to 3000 hours after wing spigot replacement	SB 031/87	02/90
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
Standard Jantar 1 (SZD 41A)				
M	Extension of life	from 3000 to 6000 hours after wing spigot replacement	SB 026/86	08/86
	Procedure for changing spar spigots		SB 037/89, SB 044/93	02/94, 02/90 & 10/93
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
Standard Jantar 2 (SZD 48 & 48/1)				

PZL (Poland)

Status	Subject	Detail	Reference information	TNS
M	Rudder deflection	29°±1°(was 30°±2°) rudder/fin overlap to be 5mm min	SB 01/78	01/79
M	Extension of life	from 3 000 to 6 000 hours after wing spigot replacement	SB 026/86	08/86
M	Extension of life	serial numbers 1266 & 1268	SB 035/88	02/90
	Procedure for changing spar spigots		SB 037/89	02/94
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
	Air brake	Air brake drive gear mounting part detached in wing		06/00
	Standard Jantar 3 (SZD 48/3)			
M	Extension of life	from 1500 to 3000 hours	SB 026/86	08/86
	Weighing data	C of G position v empty weight chart	SB 042/92	10/92
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
	Ogar (SZD 45)			
	Air brake levers cracked	inspect airbrake system regularly		09/85
M	GRP fuel tank	check bonding every 50 hours	CAA AD-0837/PRE/78	06/83
	Elevators stiff	corrosion on torque tube		02/87
	Lower air brake paddle severed	inspect & adjust system as per manual		02/88
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
M	Propeller	TBO of propeller hub	BE–014/78	04/00
M	Carburettor membrane	Compliance with Limbach SB	BE- 020/80	04/00
M	Tail wheel	Replacement of fittings	BE-021/80	04/00
M	Muffler	Inspection of brackets	BE-024/84	04/00
M	Life extension	Inspections to extend service life	BE/R-026/96	04/00
	Puchacz (SZD 50/1 & 3)			
M	Controls jammed below front seat	(by foreign objects) guard introduced	SB-10/50/3/83	10/83
M	Wheel hub bolts	replace in steel	SB-32/50/03/86	12/86
	Life extension to 6000 hours	inspections from 1000 hours onwards	SB-34/50/03/87	04/88
	Rudder hinge (top) failure	annual inspection		06/88
M	Main wing pin	security	SB-33/50/03/87	10/88

PZL (Poland)

Status	Subject	Detail	Reference information	TNS
M	Tailplane pin	replace	SB-40/50/03/90	06/90
M	Pulley in trim circuit	secure T-50 pulley	SB-38/50/03/90	06/90
M	Rudder cable	fouls radio junction box		12/91
	Rear canopy lanyard	fouls rear stick		12/91
	Rear tow release	jammed by perished rubber sleeve		04/92
M	Rudder cable system	mod to eliminate possible jam	SB-42/50-3/92	10/92
M	Rudder cable fatigue failure	at rudder pedal - modify system		06/93
M	Canopy jettison pins - migrate	lock into place		01/93 & 10/92
	Asymmetric air brakes	gearbox failure		12/92
M	Flying controls	incorrectly rigged on delivery		01/93
	Trim drive cables (solid wire)	failures		10/93
	Undercarriage bungees	deterioration - inspect		12/93
M	Rear rudder pedals cable detached	stiff-nuts come off - fit split pins & castellated nuts		12/93
	Air brakes	paddle attachments worn- circlips missing		08/94
	Control rod ends	swaging cracked		08/94
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
	Air brakes	failure at cross tube in fuselage		04/95
	Air brake paddle	axis bolts unsecured	SB-047/50	03/94
	Ailerons	jammed after heavy landing nose wheel frame broken - inspect		10/96
	Airbrake operating lever	weld failures - inspect		12/96
	Lower rudder hinge	plywood support failed - check every DI		08/99
M	Wing	Inspection of wing front bracket console	SP-0059-2000-A	
			BE-048/SZD-50-3/2000	08/00
M	Control sticks	Inspection of control sticks for cracking	BGA 002/07/2000 Iss 1	08/00
	Canopy	Inspection of fwd canopy locking lever	BGA 005/08/2000 Iss 1	08/00
M	Wing	Action to take if cracks found in front bracket console	SP-0094-2000A, BE-049/SZD-50-3/2000	12/00
M	Flying controls	Inspection of airbrake gears	BGA 016/04/2001 iss1	04/01
R	Airbrakes	Airbrake control inspection	BGA 024/10/2001 iss1	10/01

Junior (SZD 51/1)

M	Modifications required for BGA certification			10/86

PZL (Poland)

Status	Subject	Detail	Reference information	TNS
M	Aileron mass balance	introduced to prevent flutter	SB 002/85	12/86
M	Air brake lever push rod fails	fit strengthened rod	SB 003/85	12/86
M	Rudder mass balance weight	fouls screw head - modify system	SB 004/88	12/88
M	Lower rudder hinge	replace at 1000 hours or if damaged	SB 006/90	06/90
	Lower rudder hinge mounting	cracks in fin structure		06/98
	Elevator drive locking sleeve	always check fully engagement after rigging		08/91
	Aileron mass balance	corroded bolts - replace with stainless steel		04/91
	Canopy jettison pin	migrates - secure with soft copper wire		06/93
	Elevator trim spring	several failures		10/93
M	Tailplane fixing sleeve	replacement	SB 009/93	04/94
	Swaged control rod ends	cracked		08/94
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
	Airbrake bevel gears cracked	inspect after ground loops		08/97
M	Life extension	from 1000 hours to 3000 hours after inspections	SB 005/89	06/98
	Air brake	Airbrake lever failure below handle		04/00
M	Flying controls	Rudder pedal adjustment inspection	BGA 014/03/2001 iss1	04/01
M	Flying controls	Inspection of air brake gears	BGA 017/04/2001 iss2	06/01
R	Canopy	latch inspection and modification	BGA 020/10/2001 iss1	10/01
M	Elevator trim	Trim control knob inspection	BGA 023/10/2001 iss1	10/01

SZD - 55/1

M	Controls	Revision of rudder deflections	SB 6-55-1/92	10/92
M	Revision of flight manual		SB 7-55-1/94	10/94
	Control cable recommended lives	hemp core - 1000 hrs/ 6 yr. steel core - 1500 hrs/ 12 yr.	SB 007/94	10/94
M	Revision of flight manual	ASI with stall warning and life to 3000 hours	SB 8-55-1/95	10/95
M	Flying controls	Inspection of NYLON air brake gears (Identified by ball type self connecting wing controls)	BGA 017/04/2001 iss1	04/01

PZL Swindnik (Poland)

Status	Subject	Detail	Reference information	TNS

Contact: UK agents - Joint Aviation Services Tel 01420 88664

PW5 Smyk

M	Canopy frame	check shape	6/PW-5/97	10/97
M	Canopy jettison system	install new system	7/PW-5/97	10/97
M	Errors corrected in previous SBs		6/PW-5/97/1	02/98
M	Canopy lock handles	replacement	8/PW-5/97	02/98
M	Maintenance manual revisions		9/PW-5/97	04/98
	1000 Hr inspection	Reminder to report findings	TSP1/079/2000	08/00
	Total pressure	Installation of total pressure and K-1 probe	BS-17-00-13	08/00
I	Seats	Seat back peg jumped out of location during winch launch		02/01
I	Ballast	Special ballast installation	BI-17-00-12	06/01

Rollanden-Schneider (Germany)

Status	Subject	Detail	Reference information	TNS

Contact: UK Agent Martyn Wells 01608 684217

LBA Airworthiness Directives

LS-1

M	Ailerons	Improved venting	AD 71-45, TM 2	
M	Flight manual	Winch amendment	AD 72-138, TM 15	
M	Wings	Attachment bolts	AD 74-70, TM 20	
M	Ailerons	Clearance inspection	AD 74-96	
M	TP fitted upside-down	modify to make this impossible	AD 77-155	07/77
M	Trim	Wear of guide rod	AD 78-162, TB 34	
M	Release cable corrosion in conduit	inspect & replace if corroded	AD 78-163, TN 35	09/78
M	Inspection hole cover	Inspection	AD 78-290, TB36	
M	Rudder hinge washer not located	rudder becomes disengaged	AD 78-203	01/79
M	Rudder/elevator/aileron bearings	inspect for missing washers	AD 79-44	03/79
M	Elevator flutter prevention	replace spring	AD 79-109, TB 38	06/80
	Trim spring failure	at lever		08/80
M	Bonding lead to hook	damage by u/c reposition if necessary	AD 81-112, TB 41	07/81
	Elevator flutter	backlash tolerance, Flight Manual		04/84
	Loose wing root rib pins	inspection		06/88
	Bent aileron push rod	jammed in root rib (USA)		12/90
M	L'Hotellier connectors	annual inspections	AD 93-001/3, TB 56	08/98 & 04/93
			& AD 93-155, TB 52	10/93
M	Increase in service life	to 12 000 hours	AD 1982-184/2, TB 40A	02/00

LS-3, 3a & 3-17

M	Flight manual	Revision	AD 77-257, TM 3002-1	
M	Release cable corrosion in conduit	inspect & replace if corroded	AD 78-163, TN 3007	09/78
M	Elevator flutter prevention	replace spring	AD 79-109, TB 3013	06/80

Rollanden-Schneider (Germany)

Status	Subject	Detail	Reference information	TNS
	Trim spring failure	inspect annually		08/80
	Canopy jettison	jammed by long instruments		05/81
M	Bonding lead to hook	damage by u/c reposition if necessary	AD 81-112, TB 3026	07/81
M	Flight & MM	Amendments	AD 82-215, TB 3029	
M	Trim weight	Attachment crack inspection	AD 82-214, TB 3033	
M	Wheel brake lever on hub	reposition	AD 83-118, TB 3036	08/83
M	Upper airbrake paddle	may foul control rod bolt file clearance if necessary		12/86
	Wing root pins become loose	inspect and repair if necessary		06/88
M	Life increase	from 3 000 to 6000 hrs inspections required	AD 88-81, TB 3038	08/88
M	L'Hotellier connectors	annual inspections	AD 93-001/3,AD 93-155, TB 3042	08/98, 04/93 &10/93
M	Nose weight mounting bracket	replace with new version new part number 4R8-19C	AD 93-083, TB 3040	04/93 &06/93
M	Front elevator mounting bracket	not secure in fin	AD 93-155, TB 3043	10/93
M	Landing gear system nuts	tighten to correct torque	AD 93-157, TB 3045	10/93
M	Air brake drive at wing root	replace 6 mm studs with 8 mm	AD 93-156, TB 3044	10/93
M	Flap Drive Springs	replace	AD 95-410	12/95
M	Air brakes	Requires action to prevent jamming air brakes.	AD 2000-085, TB3051	04/00
M	manual amendment	Flight and MM amendments	AD 2001-331, TB3050	10/01
O	Tow hook	Additional nose hook installation	TB3052	10/01

LS-4 & 4a

M	Bonding lead to hook	damage by u/c drive reposition if necessary	AD 81-112, TB 4004	07/81
M	Air brakes won't retract above 108 Kts	enlarge cut-out in top blade	AD 81-113, TB 4005	07/81
M	Trim weight	Attachment crack inspection	AD 82-214, TB 4010	
M	Possible jamming of airbrakes	fit open stop in cockpit	AD 83-158, TB 4020	04/85
	Seat adjusting cable collet	may foul airbrake lever bend seat support tube as necessary		12/82
M	Wheel brake lever on hub	reposition	AD 83-118, TB 4019	08/83
	Wing root pins become loose	inspect and repair if necessary		06/88
M	Tost G88 (C of G) and E85 (nose) hooks	introduction	TB 4030	02/90
M	Nose weight mounting bracket	replace with new version new part number 4R8-19C	AD 93-083, TB 4033	04/93 & 06/93
M	L'Hotellier connectors	annual inspections	AD 93-001	04/93

Rollanden-Schneider (Germany)

Status	Subject	Detail	Reference information	TNS
M	Flight Manual	(LS-6C) speed amendments		04/93
M	Landing gear system nuts	tighten to correct torque	AD 93-157, TB 4036	10/93
M	Front elevator mounting bracket	not secure in fin	AD 93-155, TB 4035	10/93
M	Airbrakes jamming	(LS-6C) trim brake cap		02/95
M	Extension of service life	to 12 000 hours inspections after 3000 hours	AD 87-254/2, TB 4027a	08/97
M	U/C gas strut	load 12-15 Kg at U/C joint		
	Rudder pedal/canopy support structure	cracks in fore & aft square tube		04/99
M	Airbrake operating levers in fuselage	cracks in over-centre push-rods	AD 1999-270, TB 4042	08/99
M	Air brakes	Requires action to prevent jamming air brakes.	AD 2000-076, TB4043	04/00

LS-6, 6B& 6C

M	Air brake stops	interference between airbrake and flap controls	AD 89-60	08/89
M	Hydraulic damper introduced	(LS 6A) VNE restriction lifted	AD 86-140, TB 6010, TB6011	04/88
M	U/C gas strut	replace with aluminium bar	TB 6012	04/88
M	Weight and balance revised	and trim position indicator fitted	TB 6015	10/88
	Upper rudder hinge	limit of radial play 0,5 mm	TB 6017	10/88
M	Rudder pedal adjustment	cable jam inspect & modify as necessary	AD 91-110, TB 6022	06/91
	Lower rudder hinge	retaining nut lose		02/92
M	L'Hotellier connectors	(LS6 & 6B only) annual inspections	AD 93-001/3 & 155	04/93 & 10/93
	Lower air brake paddle mount	cracks		02/94
M	Air brakes	Requires action to prevent jamming air brakes.	TB3051	04/00
M	Flight controls	Jamming of air brakes in extended position	AD2000-082, TB6037	02/01
M	Service life	Extension of service time and MM revision	AD2001-110, TB6035	04/01
M	Canopy jettison	Obstruction of emergency canopy jettison	AD1999-266/2, TB6036/2	04/01
O	Tow hook	Additional nose hook installation	TB6040	10/01

LS-7

M	Rudder pedal adjustment	cable jam inspect & modify as necessary	AD 91-110, TB 7003	06/91
M	Aileron missrigging	enlarge fuselage cut-out	AD 91-172, TB 7004	12/91
M	Canopy jettison	Obstruction of emergency canopy jettison	AD1999-267/2, TB7011/2	04/01

Rollanden-Schneider (Germany)

Status	Subject	Detail	Reference information	TNS
M	Flight controls	Jamming of air brakes	AD 2000-083, TB 7013	
M	Service life	Extension at 3000 hrs	AD 2002-043, TB 7015	02/02
LS-8				
O	LS8-18	Structural modifications during manufacture	TB8001	
0	LS8 to LS8-18	Wing tip modifications only if TB8001 complied with.	TB8002	
M	Canopy jettison	Obstruction of emergency canopy jettison	AD1999-268/2, TB8004/2	04/01
	Rudder travel restriction	cable conduits loose in fin - secure by gluing		04/99
M	Wing Air brake levers	Check for corrosion and jamming	AD2000-084, TB8005	
M	Water ballast	Water ballast drain tubes modification	AD 2000-86, TB 8006/2	04/00
M	Manual revision	Flight and MM revisions	AD2000-067, TB8007	
I	Maintenance manual	English version available	TB8008	
R	Flight manual	Correction – water tank filling sequence	TB8009	
M	Service life	Increase of service life after inspections	AD2001-200, TB8010	08/01
M	Airworthiness Directives	Accomplishment list (included in compendium)		08/01

Scheibe (Germany)

Status	Subject	Detail	Reference information	TNS
Contact: Scheibe-Flugzeugbau GMBH, +49 8131 72083. UK Contact: Peter Serge-Fink 01293 873214				
LBA and CAA Airworthiness Directives				
SF24				
	Flexible hose life		TM 653-28/4	10/98
M	Control cables	Inspection/replacement of cable sleeves	AD74-323	
M	Hirth F10 engine	Operational and maintenance instructions	AD 69-142	
SF 25 series				
	General			
I	Horizontal Stabiliser	Flutter	AD 1966-119	
I	SF-25/T-61 elevator tab cables	wire lock at tab		06/73
I	Longerons corroded at fin post	adjacent to microballoon filler		01/75
R	Wheel assembly bolt failures	fit larger (8mm) bolts		11/77
I	Unleaded MOGAS approval	(Limbach L1700 & 2000)	TN 653-66	12/96
I	SF-25/T-61 compass errors	magnetised canopy frame		12/79
I	Spar deterioration	water in spoiler boxes		06/95 & 12/80
R	SF-25/T-61 wing main pin holes	worn & splayed oval		12/80
I	T-61 ignition switch “live”	test		12/85
I	Crank case cracks	numerous cases - inspect regularly		02/87
I	SF-25/T-61 tailplane	front attachment cracked	TI 102	04/90
I	SF-25 fuel flow restriction	filter incorrectly installed		06/90
R	Top harness attachments	secure to transverse tube		01/93
R	Rear exhaust valve burning	Limbach improved cooling kit		01/93
I	Tubing on fuel gauges	hardens and leaks		06/95
I	T-61 magneto to crankshaft coupling	failure of type without reinforcing ring		06/96
M	SF-25 carb heat system	introduced, mandatory (CAA)	Mod 134	08/87
M	Fuel shut off valve NK 490	fitted in place of Truma V8M	SB 653-70	02/98
I	Flexible hose life		TM 653-28/4 etc	10/98

Scheibe (Germany)

Status	Subject	Detail	Reference information	TNS
I	Rear fuselage structure corrosion	near fin attachments		02/99
I	Aileron drive bearing failure	central hanger upper bearing between sticks		04/99
I	Tailplane front mount	cracked through inspect for cracks and poor welds		08/99
I	Throttle cable disconnected	check security at carburettor connection		10/99
	LBA Airworthiness Directives listed in CAA Foreign Airworthiness Directives Vol. III.			
M	Engine mounting (Stamo)	Cracks in lower mount bolts SF25B S/N 4601>46174.	AD 71-131, TB 2/71, Mod 120	
M	Luggage compartment	Securing of luggage S/N 4601 >	AD 72-107, Mod 132	
M	Carburettor heater	Installation	AD 73-15, Mod 133	
M	Ignition Switch	New type SF25B S/N 4601>46253 & 4801 >4828		
		SF25C S/N 4401>4448	AD 73-23, Mod 4 & 134	
M	Ailerons	Bellcrank replacement SF25A	AD 74-54	
M	Flight control cables	Inspection of cable sleeves	AD 74-323	
M	Electrical system	Installation of smoothing capacitor SF25B & C with		
		Dittel radio FSG-12, -15 or –16	AD 75-91	
M	Aileron drive lever	Inspection / reinforcement SF25B & SF25C	AD 75-169, TI 653-5/75	04/76
M	Fuel Quantity indication	Incorrect indication SF25B S/N 4601>46258 & 4801>4868		
		SF25C S/N 4401>44133 & 4201>4252.	AD 76-40, TN 653-1/76	04/76
M	Fuel filler	Inspection SF25A all & SF25B S/N 4601>4645	AD 76-297, TN 653-6/76	
M	Elevator support	Inspection SF25B S/N 4801>4868 & SF25C S/N 4201>4255	AD 77-217, Sportavia TMS-02-77	09/77
M	Stabiliser/Tailplane Fwd Armature	Inspection SF25A,B,C,D,E & K	AD 82-049, TN 653-40	
M	Fuel SOV	Life limitation SF25B,C,D,E & K	AD 82-50/2, TN 653-41	02/90
M	Wing	Main wing joint SF25B,C,D & E	AD 82-134/2	09/82
M	Flight controls	Bearings in control stick SF25C,E & K	AD 1984-198/2, TN 653-47	02/85 & 04/00
M	Flight controls	Inspection of airbrake pulley SF25A,B,C,D,E & K.		
		Working instruction 653-62-142/770-18-142	AD 94-261, SB 653-62/770-18	10/94
M	Fuel SOV	TRUMA V8 valves	AD 97-140, SB 653-67	08/97 & 02/98
M	Flight Controls	Cracks in aileron steel pipe spar SF25B & C	AD 1999-340, SB 653-73	02/00
M	Wing centre pin	Inspection	CAA AD 003-06-82	04/95
M	Wing centre joint	Additional limitations	CAA AD 001-07-82, TI 103/T61	07/82

Scheibe (Germany)

Status	Subject	Detail	Reference information	TNS
SF-26A				
	Spar deterioration	water penetration		10/74
	Top rudder hinge	cracks/failure		08/79
M	Control cables	Inspection/replacement of cable sleeves	AD74-323	
M	Flying Controls	Inspection of aileron bellcrank for cracks	AD75-270, TN 232-1/75	
SF-27A & M				
	Elevator actuating lever	cracks at weld	TN 257	01/74
M	Elevator torque tube	reinforce at weld	AD 75-48, TN 257-1/74	06/75
	Top rudder hinge	cracked		02/92
	Flexible hose life		TM 653-28/4 etc	10/98
M	Control cables	Inspection/replacement of cable sleeves	AD74-323	
SF-28A Tandem Falke				
M	Main wing pin	correct locking	LTO 345 & 508, AD 82-135	12/80 & 04/95
M	Flight controls	Inspection of airbrake pulley		
		Working instruction 653-62-142/770-18-142	AD 94-261, SB 653-62/770-18	
	Unleaded MOGAS approval	(Limbach L1700 & 2000)	TN 770-19	12/96
M	Fuel shut off valve Truma V8M	8 year (seals) life limitation	AD 97-140, SB 770-20	08/97
	Fuel shut off valve NK 490	fitted in place of Truma V8M	AD82-51/2, SB 770-13/2	02/98
	Flexible hose life		TM 653-28/4 etc	10/98
M	Elevator/aileron drive cracks	reinforce before next flight	AD 1998-435, SB 770-23	12/98
M	Control cables	Inspection/replacement of cable sleeves	AD74-323	
M	Flying controls	Inspection of rear control stick	AD81-237, TN770-12	
M	Electrical system	Installation of smoothing capacitor with		
		Dittel radio FSG-12, -15 or –16	AD 75-91	
M	Wing centre pin	Inspection	CAA AD 003-06-82	
M	Wing centre joint	Additional limitations	CAA AD 001-07-82, TI 103/T61	

Scheibe (Germany)

Status	Subject	Detail	Reference information	TNS
SF-34				
M	Wing root rib	modification SF34 & 34B S/N 5102>5131	AD 89-73, TN 336-2(supersedes AD 88-162/2)	10/89
M	Spin recovery improved	Aft C of G limit 2367 mm	AD 96-241, TN 336-8	??/96
	Rear fuselage frame disbonded	inspect for bond failure (causes fin/TP flutter)		08/98
M	Fuselage inspection (SF34, SF34B)	Inspection of aft fuselage and flight restrictions	BGA 001/05/2000 iss1	08/00
M	Fuselage inspection	Inspection of aft fuselage and lifting of LBA flight restrictions (BGA restrictions remain)	AD 2000-299, SB 336-9	10/00
M	Control cables	Inspection/replacement of cable sleeves	AD74-323	
M	Flight controls	Rear control stick inspection	AD 2002-044, TB 336-10	02/02
MÜ-13E Bergfalke (1)				
M	Spar deterioration	reduction of span	AD 75-42	04/75
M	CG hook mounting	cracks caused by loose bolts	AD 79-501, TN 104-15	02/80
M	Elevator & airbrake connection “bolts”	replace with new “bolts” in aircraft material	TN 104-18	08/85
M	Control cables	Inspection/replacement of cable sleeves	AD74-323	
Bergfalke II, II-55, III and IV				
	CG hook mounting (Berg III only)	cracks caused by loose bolts	TN 104-2/76	02/77
M	CG hook mounting (all)	cracks caused by loose bolts	AD 79-501, TN 104-15	02/80
	Spar deterioration	water in brake box		05/79
M	Main wing pin	not fully through lower spar lugs, safety pin hole too low down	TN 104-17	02/85
M	Elevator & airbrake connection “bolts”	replace with new “bolts” in aircraft material	TN 104-18	08/85
	Tailplane at front attachment	damaged by water - inspect in depth		08/86
	Speed brake lever	in centre section cracked – reinforce		10/89
M	Control cables	Inspection/replacement of cable sleeves	AD74-323	
Zugvogel III A & B				
	Elevator hinge pin	sheared at the weld		06/92
M	Control cables	Inspection/replacement of cable sleeves	AD74-323	

Schempp-Hirth (Germany)

Status	Subject	Detail	Reference information	TNS

Contact: UK agents Southern Sailplanes: 01488 71774

LBA Airworthiness Directives

Open Cirrus & VTC Cirrus

	Askubal fittings	inspection	AD 69-136, TN 1/69	
	Rudder cable	tension inadequate may escape from uncaged pulleys		03/84, 10/83 & 10/73
	Undercarriage collapse	cable stretches & escapes from uncaged pulleys		12/80 & 07/77
M	Flutter prevention (elevator)	fit solid drive bar & new mass balance limits	AD 82-103, TN 265-6	08/82
M	Flutter prevention (rudder)	increase mass balance	AD 82-103, TN 265-6	11/82
	Rudder springs	tension inadequate causes cables to come off rollers in nose		04/84
	Cracks in fuselage centre section	airbrake drive "turntable" support tubes		04/84
M	Air brake rod end failure	replace 6 mm threads with 8 mm	AD 85-56, TN 265-8	04/85
	Flight manual changes	C of G position & loading plan	TN 265-7	06/85
	Rudder cables	failure at rudder pedal pulleys		12/91
M	Airbrake control ball joints	replace with improved type	AD 93-013, TN 265-10	01/93
M	L'Hotellier connectors	add safety pins and annual inspections	AD 93-001& AD 94-001	04/93 & 04/94
	Extension of service	to 6 000 hours	AD 86-15, TN 265-9	
M	Extension of service life	from 3000 hours to 12000 hours after inspections	AD 1998-251, TN 265-9	06/98

Std Cirrus including Grob & VTC manufacture

M	Aileron rod in centre section	LH rod jams if disconnected add "catcher" bar	AD 76-8, TN 278-17	04/76
M	Seat pan fouls tow release	reinforce seat pan	AD 76-7, TN 278-18	04/76
M	Cirrus (B&G) flight manual amendments	weights & limitations changed	TN 278-30	09/77
	Canopy lock	roll pin sheared		09/77
M	Airbrake drive ball joints	replace with improved type change every 500 hours	AD 79-051/4, TN 278-23	12/96
M	L'Hotellier connectors	add safety pins and annual inspections	AD 93-001& AD 94-001	04/93 & 04/94
M	Tailplane drive lower bearing	outer race broken - change bearing type	AD 80-243TN 278-25	12/80
M	Tailplane 'T' fitting	cracks at welded joint of pins inspect every 300 hours	AD 80-244/2, TN 278-26	12/80 & 10/92
	Wing attachment	spherical bearings break up - fit improved type if necessary		05/82
	Rudder mass balance	unbonded from rudder		08/88
	Elevator drive	horizontal push rod bent and failure in base of fin after incorrect repairs		02/91

Schempp-Hirth (Germany)

Status	Subject	Detail	Reference information	TNS
M	Elevator vertical drive rod in fin	replace (G models only)	AD 92-360/2, TN 278-33	04/93
	Tailplane drive	incorrect rigging of tailplane hook not around roller bearing		10/93
M	Tailplane lock	inspect & modify if necessary serial numbers 573,586,593,595,597,598,599,601→		
			AD 95-015, TN 278-36	02/95
	In board aileron hinge	fractured at weld		04/95
M	Extension of service life from	3 000 to 12 000 hours after inspections	AD 81-099/2, TN 278-28	02/96
	Tow release	Fitment of nose tow release mech.	TN 278-37	06/00
Discus series				
	Tow hook may be replaced	with Europa G 88	TN 360-7	02/92
M	Static vents improved version	eliminates water ingress	TN 360-8	02/92
M	Elevator vertical drive rod replace	up to nos. 446 (a&b), 98 (CS)	AD 92-360/2, TN 360-9	04/93
		up to serial number 100 (bT)	AD 92-360/2, TN 863-3	04/93
M	Extension of service life from	6 000 to 12 000 hours after inspections	AD 94-031, TN 360-11	04/94
M	Discus BT service life from	6 000 to 12 000 hours after inspections	AD 1999-305	10/99
M	Engine mounting	cracked.	AD 2000-074	12/94
M	Aileron drive jammed below seat	bellcrank bolt fouls on structure		10/96
	Ailerons jammed	miss-assembled bolts foul in fus at auto-connect		06/97 & 08/97
	Rudder drain holes	check that they are clear		04/98
M	Engine mount	Inspection of engine mount structure	AD 2000-074, TN 863-6	06/00
	Tow release	Fitment of nose tow release mech.	TN 360-37	06/00
I	Canopy	Opened in flight due to loss of friction in catches		02/01
O	Wings	Wing tip with winglets, S/N 1>12	TN360-15	04/01
O	Wings	Wing tip with winglets, S/N 13>97	TN360-16	04/01
M	Landing gear	Inspection and modification of landing gear	AD2001-259, TN360-17	10/01
Janus A, B, C, Ce, CM & CT				
	Elevator drive may be damaged	by persons standing on the control		09/81
M	Elevator drive bracket	(B model only) modify or replace	AD 87-126/3, TN 295-19	10/87
M	Life extension from	3 000 to 12 000 hours after inspections	AD 81-98/2,AD 86-274/2, TN 295-16	10/91
M	Elevator vertical drive rod replace	(not “A” model) up to serial no. 284	AD 92-360/2, TN 295-22	04/93

Schempp-Hirth (Germany)

Status	Subject	Detail	Reference information	TNS
M	L'Hotellier connectors	add safety pins and annual inspections	AD 93-001/3, AD 94-001	04/93 & 04/94
M	Tailplane lock - inspection	modify if necessary	AD 95-015, TN 295-26	02/95
	Tailplane attachment fittings on fin	inspect for cracks		10/96
M	Flutter (adj. rear pedals model)	(C only) VNE 108 Kts until modified	AD 90-335, TN-295-21	02/91 & 04/93
M	Flying controls	(CM only) Elevator control system	AD90-335, TN809-8	
	Undercarriage lever failed	(C only) at weld at the drive rod tube		10/93
M	Elevator flutter - VNE 86 Kts	(C only) until mass balance is fitted	AD 1999-265, TN-295-27	08/99 & 10/99
M	Fuel system modification	(CM & CT only) pipe pumps in parallel	AD 86-135, TN 809-3	10/86
M	Failure of propeller support strut	(CM & CT only) inspection & replacement	AD 85-164, TN 809-1	12/86 & 06/97
M	Changes in engine accessories	(CM & CT only) and changes in placards	TN 809-4	04/87
	Improved propeller (optional)	(CM & CT only) Hoffman HO-IIH-HM-158-BI27	TN 809-6	10/88
	Ignition and generator coils	(CM only) fixings and starter gear cracks	Rotax TB 535-5	08/89
	Engine mounting plate	(CM & CT only) cracked		06/91
M	Elevator vertical drive rod replace	up to serial number 36 (CM)	AD 92-360/2, TN 809-9, TN 847-4	04/93
		up to serial number 19 (CT)	AD 92-360/2, TN 809-9, TN 847-4	04/93
	Starter motor mounting	(CM & CT only) failed		02/95
	Flight manual changes	min seat loads (CM)	TN 809-13	06/98
M	Extension of service life from	(CM & CT only) 6 000 to 12 000 hours after inspections	AD 1999-028, TN 809-14	04/99
M	Elevator flutter - VNE 86 Kts	(CM & CT only) until mass balance is fitted	AD 1999-265, TN 295-27, TN-809-15	08/99

Nimbus - 2, 2B, 2C, 2CS & 2M

M	Tail end flutter	increase rudder mass balance		06/75
M	Gross weight & speed increases	(2B) 580 Kg max AUW, 250 Kg max non lifting	TN 286-8, TN 286-22	02/76 & 12/86
M	Brake parachute lever	to be gated & shroud taped to avoid bottom rudder hinge		01/78
M	C of G tow hook	replace S 72 hook with G 72	TN 286-14	12/80
	C of G tow hook	G 72 may be replaced with Europa G 88	TN 286-26	02/92
	Flap - excessive backlash	caused by corrosion from ballast tank leaks		11/82
M	Cracks in 'U' bracket on tailplane	(2B only) modify or replace	AD 87-126/3, TN 286-24	
	Trim spring system failure	(2C) sheared bolt at the gate		12/91
M	Elevator vertical drive rod replacement	(B &C models only)	AD 92-360/2, TN 286-28	04/93
M	Extension of service life to 12 000 hours,	inspections after 3 000 hours and before 1 May 1994	AD 86-036/2, TN 286-22	04/94

Schempp-Hirth (Germany)

Status	Subject	Detail		Reference information	TNS
M	L'Hotellier connectors	add safety pins and annual inspections		AD 93-001& AD 94-001	04/93 & 04/94
	Aileron rod end disconnected	not locked at outer aileron			10/94
M	Tailplane lock	(2B&C)Nos 86, 93, 96 → inspect & modify if necessary		AD 95-015, TN 286-33	02/95
M	Tailplane lock	(2M) Nos 4→7 inspect & modify if necessary		AD 95-015, TN 798-3	02/95
	Nimbus- 3, 3D, 3DM, 3DT & 3T				
	Ignition and generator coils	fixings and starter gear cracks (3DM)		Rotax TB 535-5	08/89
	Fuel tank support structure	GRP blocks unglued			08/90
	Decompression cable	(3T & 3DT) frayed			06/91
M	Elevator vertical drive rod	replacement	3 - all	AD 92-360/2, TN 286-28	04/93
			3T – all	AD 92-360/2, TN 831-	04/93
			3D - up to serial number 11	AD 92-360/2, TN 373-5	04/93
			3DT - up to serial number 35	AD 92-360/2, TN 847-4	04/93
			3DM - up to serial number 24	AD 92-360/2, TN 847-4	04/93
M	L'Hotellier connectors	add safety pins and annual inspections		AD 93-001& AD 94-001	04/93 & 04/94
	L'Hotellier connectors	special safety pins			06/93
	Front control column	cracks in support structure			02/95
M	Service life	Extension inspection		AD 2000-095, TN 874-8 AD 2000-075,TN 373-8	04/00
	Nimbus- 4, 4D, 4DM, 4DT & 4T				
M	Engine	Inspections & Modifications to SOLO engine		AD 1999-392, TN 868-9 TN 868-3	02/00 & 06/00
R	Canopy	Locking mechanism modification		TN 868-4	12/01
	Nimbus 15, 15B & 15C (Mini Nimbus)				
M	All moving tailplane	BGA require anti-balance tab on this configuration			
M	Landing gear	fouled by brake arm fit new brake arm		TN 328-5	06/80
	Extension of service life from	3000 hours to 6000 hours after inspections		TN 328-7	04/86
M	Cracks in 'U' bracket on tailplane	(15B only) modify or replace		AD 87-126/3, TN 328-8	08/87

Schempp-Hirth (Germany)

Status	Subject	Detail	Reference information	TNS
M	Release hook	jammed by metal shroud		06/87
M	Elevator vertical drive rod	replace (B & C models only)	AD 92-360, TN 328-10	01/93
M	Tailplane lock	inspect & modify if necessary	AD 95-015, TN 328-11	02/95
	Potential control system fault	incorrect assembly of bolts in levers		06/95
SHK & Standard Austria				
	Elevator push-pull rod	Replacement of M6 castle nut	AD1/65	
	Elevator push-pull rod	Redsigned unit	AD2/65	
	Tow release cable	corroded		
	Fuselage	glued joints	AD 2-66	
M	Rudder controls	mod to pulleys	AD 67-001	
M	Rear fuselage bulkhead	strengthen attachment	AD 69-30, AD69-31, TN 9	
	Rudder/elevator assembly	loose on rear fuselage & struts cracked		08/87
	Pitch & yaw controls	incorrectly rigged after repair		08/90
	Restricted aileron control	from 123 mm to 65 mm - after damage repair		08/92
	Rudder cables	worn at connection to mixer unit		06/93
	Rudder control lost	incorrectly assembled cable ends		06/99
Ventus a, b, bT, c, cM & cT				
	AUW increase	from 948 to 1157 lb after tow hook mount mod	TN 349-7	02/87
M	Flap drive cracking at weld	reinforce torque tube	AD 87-44, TN 349-9	04/87
M	Fuel tank	protection of pilot against injury		08/87
M	Air brakes	jamming of brake cover strip	AD 88-116, TN 825-10	08/88
	Radio installations	foul stick		12/91
M	Elevator vertical drive rod	replace up to serial number 568	AD 92-360/2, TN 349-28	01/93
M	Extension of service life	6 000 to 12 000 hours after inspections	AD 1999-001, TN 349-24	
M	Extension of service life from	6 000 to 12 000 hours after inspections	AD 1999-028, TN 349-14	04/99
M	Service life increase (T & M)	6000 to 12000 hours after inspections	AD 1999-304, TN 825-21	12/99
M	Drive belt	Tension on SOLO engines	AD 1999-365	02/00
	GPS Suppresser	Ferrite suppresser fouling aileron rod under seat		04/00
M	Engine mount	Cracks in engine mount structure	AD 2000-074, TN 825-23,TN 863-6	06/00 & 04/00

Schempp-Hirth (Germany)

Status	Subject	Detail	Reference information	TNS
M	Engine mount	Attachment of fwd spindle drive and pylon	AD 2000-342, TN 825-24	10/00
I	Canopy	Opened in flight due to loss of friction in catches		02/01
M	Flaps	Flap drive in fuselage modification	AD2001-258, TN349-9, TN825-29	10/01
R	Tow hook	retro fit of tow release mechanism	TN 825-28	12/01
	Ventus 2a, 2b, 2c, 2cT & 2cM			
	Flight & maintenance manual	changes (2a, 2b & 2c)	TN 349-23	06/98
	Flight & maintenance manual	changes (2cT & 2cM)	TN 825-20	06/98
M	Modifications to SOLO engine		AD 1999-392, TN 825-27	02/00
M	Drive belt	Tension on SOLO engines	AD 1999-365, TN 825-22	02/00
I	Canopy	Opened in flight due to loss of friction in catches		02/01
I	Noise certificate	S/N 44 & 46>95	TN825-25	04/01
O	Fuel system	Fuel shut off valve and tank locking device	TN825-26	04/01
M	Landing gear	Inspection and modification of landing gear	AD2001-259, TN349-25, TN825-27	12/01
M	Propeller (SOLO engine)	Attachment of forward spindle bracket	AD2000-342, TN 825-24, Mod MB 825-27	
	Duo Discus			
M	Undercarriage lever	travel restricted handle rotated - loctite into place		12/97
	Canopy release	Failure of locking mech. At welded joint.		06/00
I	Canopy	Opened in flight due to loss of friction in catches		02/01
R	Canopy	Locking mechanism modification	TN396-6	12/01

Schleicher (Germany)

Status	Subject	Detail	Reference information	TNS
Contact:	UK Agent: - Peter Wells Tel 01844 201028 or 208157			
Ka-2, 6, 7, 8, 13, 14, 18 - see also separate sections				
	Wheel brake cables	to be wire wiped at turnbuckle to prevent air brake restriction		10/66
M	Control cables	Inspection/replacement	AD 74-323	
	Wings, damage	by water/damp ply separation & spar damage		02/00, 10/83, 08/83 & 08/76
	Rudder pedals (front)	cracked and bent - clips broken		08/94 , 06/84 & 02/77
	Rudder hinges (top & bottom)	cracked		04/87, 02/84, 04/80 & 01/79
	Rudder mounting brackets	cracked		04/91 & 02/90
	Lower rudder hinge mount	cracked repair and reinforce with 2^{mm} ply as necessary		06/97
M	Rear stick	comes out of mounting lock into place		04/83
	Elevator drive (not Ka-6E & 14)	check full engagement after repair		06/87
	Rigging of ailerons	both neutral with elevator neutral		08/87
M	Elevators (not Ka-6E & 14)	root rib glue failure, remove fabric to inspect every 3 years	AD 72-7/2, TN 11, 21, 18, 23, 1, 12, 6.	12/89 & 02/90
	Fin attachments (rear)	damage by water and corroded		08/98, 06/95, 01/93 & 02/90
	Steel tubes around wheel boxes	rusted through - lack of drainage		04/90
	Trim tab root rib	glued joint failure tab detached - introduce drain holes		08/90
	Rear fuselages (ASK 13 & K 7)	structural failures		02/91
M	Canopy strap on two seaters	fouls rear stick/brake lever. Fit secondary strap.		BGA
	Control connectors at wing root	bending of thread - adjust correctly/fit airbrake system stop half connector top may be cut away to give clearance with bellcrank		02/91
	Trim system turnbuckles	failure at trim lever		08/91
	Fin attachments	ply cracked (front) & rotten at bottom		08/87 & 06/92
	Canopy locks worn Ka 2/2b (& Ka 7?)	canopies open during sideslips		08/97
	Tailplane mounting bolt	threads wear - replace bolts as necessary		06/99
	Rudder Pedal Failure Ka13	Reported failure.		04/00
	Unsecured ballast weight	Attachment bolt failed		04/00
M	Elevator drive	Inspection of engagement	BGA 003/08/2000 Iss 1	08/00
			BGA 010/12/2000 Iss 1	12/00
M	Elevator	Re distribution of inspections	AD 72-7/3	12/00
	Bogus parts	Problems with bogus parts		04/00
O	Elevator drive (K13&18)	Availability of non drilled elevator arms and fin brackets	(ref. BGA 010/12/2000)	04/01

Schleicher (Germany)

Status	Subject	Detail	Reference information	TNS
Airbrake systems				
	Airbrake stops insecure	rivet them into place		07/76
	ASK-13, K 7 & Ka 2/b	'A' bracket at wing root - cracks near mounting holes	AD 9-173, TN 14	12/95, 02/95, 02/91
		adjust over centre correctly		12/84, 10/80 & 02/92
	Cross-link in centre section	(not ASK-13) cracked and twisted - reinforce		04/89, 12/88 & 12/84
	Airbrake handle failures	cracks at rivet and bearing holes		10/95, 04/94, 06/92 & 10/88
	Airbrake paddles (lower)	delamination, lack of drain holes		04/93 & 04/89
	Airbrakes (Ka-2B & K-7)	reduction of travel and loads		02/85 & 08/89
	recommended airbrake travel	K-7, restriction to prevent heavy landings Paddles should not quite clear cut-outs in wings.		08/99
I	Jammed open in flight	Operating arm attach. Bolt to paddle fouling wing box. Incorrectly positioned slot		02/01
Rhönlerche 2 ("Ka 4") also see general and airbrake sections				
M	Elevator tube	weld cracked below seat strengthen	AD 75-166, TN 13	02/78 & 10/75
M	Aileron clevis pins	to face forwards inspect	AD 77-268, TN 14	02/78 & 11/77
M	Wheel box/skid	foul control shaft min skid thickness 20 mm	AD 12-60	11/77 & 01/78
Ka-6BR & CR also see general and airbrake sections				
	Wing ribs 1 & 2	inspect for cracks		03/82 & 10/80
	Tailplane front mounting	damaged by carrying handle - delete handle		06/83
	Elevator drive rod	damaged near elevator by misrigging		06/83
	Tailplane rear mounting	cracked & worn fittings, loose & corroded bolts		06/96, 04/94 & 06/91
	Canopy catch	insecure		06/94
Ka-6E also see general and airbrake sections				
	Trim spring & lower mounting	bracket corroded/cracked – inspect		06/86
	Airbrake paddles delaminated	bolt and glue paddles to aluminium parts		BGA
	Tailplane insecure	reinforce/repair mounting as necessary		04/87
	Air brakes	Cracks in air brake aperture		02/00

Schleicher (Germany)

Status	Subject	Detail	Reference information	TNS
K-7 also see general and airbrake sections				
	Fuselage centre section	cracks in welds		06/85
	Rear canopies detach in flight	locating lugs removed or badly warn		02/87 & 08/91
	Rudder cable	may catch under rear airbrake pivot nut, fit guard if necessary		12/99
	Air brake pivots	Pivot bolts may migrate if not locked		02/00
I	Jammed open in flight	Control stop jumped past stop tube		02/01
K-8 & ASK 18 also see general and airbrake sections				
	Canopy locks	not secure, 2mm minimum locking	AD 80-158, TN 21	08/80 & 07/76
	Wing ribs 1&2	inspect for cracks		10/80
	Control system	lower mounting in fuselage centre - cracked - inspect		03/82
M	Seat back to be fitted (K-8)	to prevent parachute catching between tubes		11/82
	Elevator hinge pins	not secure - inspect		12/86
	Rudder cables	fouling elevator rod		02/92
	Elevator hinge	cracked		06/92
M	Weight and balance revised	(ASK 18)	TN 3	08/92
	Tailplane mountings	cracked and corroded		04/93
M	Canopy retaining chord	max strength 34 Kg	AD 96-005, TN 24	04/96
M	Rudder pedal bending	repair as necessary	AD 96-005, TN 24	04/96
M	Front wing pins	max oversize	AD 96-005, TN 24	04/96
M	Fuselage tubes	corrosion inspection, internal wax oil recommended	AD 96-005, TN 24	04/96
M	Fuselage tubes	X-ray inspection is possible		04/97
	Elevator push rod	check for bending		04/96 & 04/97
M	Elevator drive	Inspection of engagement	BGA 003/08/2000 Iss. 1	08/00
	General	Re distribution of tech note	TN 24	12/00
ASW 12				
M	Wingspar	Inspection	AD 89-115	
M	Water penetration of spars	boroscope inspection	AD 89-115, TN 4	10/89

Schleicher (Germany)

Status	Subject	Detail	Reference information	TNS
ASK-13 - all also see general and airbrake sections				
	Canopy opened in flight	improperly locked (lack of lubrication) - colour code open/shut		02/87
	Wheel brake	lug failure		10/75
	Canopy jettison	inoperative and hinge fractured - lack of lubrication		02/91
	Weak link reduced to 850 Kg	max winch/auto speed increased to 60 kts		12/93
	Aileron balance weight supports	corroded		02/94
	Airbrake drive behind rear seat	torque tube failure near drive lug weld		04/97
	Air brake pivots	Pivot bolts may migrate if not locked		02/00
	Rudder pedals	Failure of tube at attachment to pedal		04/00
	Ballast weights	Unsecured ballast fouling controls due to bolt failure		04/00
M	Elevator	Inspection for bent elevator arms	BGA 004/08/2000 Iss 1	08/00
	Controls	inspection of aileron and air brake control support brackets	BGA 008/10/2000 Iss 1	10/00
M	Elevator drive	Inspection of engagement	BGA 010/12/2000 Iss 1	12/00
	Weak link	Weak link of 1080kg (Black) should be used		
ASK-13 JUBI **built** models only. also see general and airbrake sections				
M	Spar root bolt holes oversize	refit bolts with epoxy	SB 13	12/91
ASK-14 also see general and airbrake sections				
M	Control cables	Inspection/replacement	AD 74-323	
M	Fuel tank transparency	obscured	AD 89-121, TN 6	10/89
ASW-15 & 15B				
M	Control cables	Inspection/replacement	AD 74-323	
M	Elevator & aileron	rods fouling	AD 71-117, TN 6	
	Rudder & fin shroud	fouls		

Schleicher (Germany)

Status	Subject	Detail	Reference information	TNS
	Tow release cable	damaged in conduit		06/75
M				
M	Elevator drive bell crank	reinforced	AD 82-221, TN 22	02/83
	Undercarriage handle knob detached	locking pin failed		08/93 & 08/83
M	Water penetration of spars	boroscope inspection	AD 88-95/2, TN 23	06/88
M	Service life extended	to 12,000 hours, inspections from 3 000 onwards	AD 81-91, TN 20	12/89
	Ailerons oscillate if too out of balance	max 122 Kg mm TE heavy		10/97

ASK 16

M	Control cables	Inspection/replacement	AD 74-323	
M	Main wheel	hub bolt failures fit enlarged (8 mm) bolts	AD 77-234, TN 8	01/78 & 11/77
M	Weight increase	to 1650 lbs	TN 3	01/78
	Auxiliary (removable) fuel tanks	optional mod	TN 4	01/78
M	Cylinder head	temp limits	TN 6	01/78
M	Fuel tank transparency	obscured	AD 89-81, TN 10	10/89
	Control tubes in the wing	corroded		02/92

ASW 17 & 17B

M	Control cables	Inspection/replacement	AD 74-323	
M	Water ballast leaks in fuselage	fit clips to hoses	AD 76-11, TN 6	04/76
M	Increased AUW to 610 Kg	by increasing water	TN 8	01/78
M	Water penetration of spars	boroscope inspection	AD 89-115, TN 12	10/89
	Soft balsa in tailplane	caused by water ingress		04/89
M	Life extension	from 3 000 to 12 000 hrs after inspections	AD 93-124, TN 13	10/93

ASK 18 also see general and airbrake sections

See K8 section

Schleicher (Germany)

Status	Subject	Detail	Reference information	TNS
ASW 19 & 19B				
M	Control cables	Inspection/replacement	AD 74-323	
Canopy latch rods		bend on heavy landings - inspect		04/78
M	Rudder stiffened	flutter avoidance	AD 76-258, TN 2	01/78
M	Water ballast outlet pipes	moved to behind wheel	TN 3	
M	Rear fuselage inspection cover	modify	AD 78-303, TN 7	01/79
M	Tow hook attachment strengthened	ASW 19 becomes ASW 19B 454 Kg AUW		
		600 Kg instead of 500 Kg weak link	TN 6 A & B	05/79
M	Control hinges	missing rivets	AD 81-74	05/81
	Rudder pedal “S” guides	cracked		07/81
M	Elevator flutter	modify elevator	AD 84-65, TN 17	06/84
M	Tow release cable too short	12 mm minimum slack	AD 84-115, TN 18	10/84
M	Canopy open/close knobs	to be painted red		02/85
M	Elevator locking pin	introduced	TN 17	08/85
M	Rudder cable	sever bend at rudder		08/85
M	Life increase	from 3000 hours to 6000 hours after inspections	AD 97-010, TN 25	02/97
	Air brake mod (extra paddle)	pivot bolts fouling original blade		06/98
I	Jamming of Airbrakes	Paddle mounting bolts too long		02/01
ASW-20 series (Ref. also Centrair built ASW-20F)				
M	Hook installation	reinforced	AD 77-294, TN 1	01/78
	Canopy latch rods	bend on heavy landings - inspect		04/78
M	Rear fuselage inspection cover	modify	AD 78-303, TN 4	01/79
	Control hinges	corroded rivets		12/79
M	Aileron and flap flutter	Avoidance	AD 81-54	
	Flap vibration	backlash		05/81
M	Control hinges	missing rivets	AD 81-74	05/81
M	Rudder pedals & “S” guides	cracked	AD 91-073	08/96 & 07/81
	Flap control stops insecure	rivet into place if necessary		02/83
M	Tow release cable too short	12 mm minimum slack	AD 84-115, TN 21	10/84

Schleicher (Germany)

Status	Subject	Detail	Reference information	TNS
	Flap malfunction	lock nuts at pilots' lever loose		12/84
M	Certification limits changed	Schleicher data sheet 314		04/85
M	Rudder cables	sever bend at rudder		08/85
M	Canopy open/close knobs	to be painted red		02/85
M	Aileron flutter	incorrect use of tape	AD 87-141, TN 31	08/96 & 10/87
M	Elevator trim mod	to avoid PIOs	AD 87-148, TN 30	02/88
	Ballast dump valve inoperative	corrosion of swages in cockpit		10/90
M	Max weight of non-lifting parts	(B & BL) increased by 10 Kg	TN 35	02/91
	Elevator control restriction	foul between incorrectly fitted bolts		06/96
M	Life increase	from 3000 hours to 12000 hours after inspections	AD 1998-255, TN 39/2	06/98
ASK-21				
M	Rudder jammed	by flexible toe straps replace with rigid type or delete	AD 81-92, TN 5B	03/81& 07/81
M	Accelerometer mandatory for aerobatics	flight manual change		06/83
M	Trim indicator Bowden cable	fouls controls below floor - clip as necessary		10/83
M	Cable release	modify system	AD 84-2, TN 10	06/84 & 04/84
M	Wheel fouls wheel box	cut extra clearance if necessary		12/84
M	Trim indicator restricts elevator	modify	TN 18	12/85
M	Rudder pedal support cracked	replace before 1 April 1987	TN 19	08/87
	U/C retention stud	failures		12/87
M	Rear canopy gas strut	support structure reinforce to drawing 210.12.55	AD 38-2, TN 20	08/93 & 04/88
	Rear canopy gas strut hinge pins	inspect for wear		10/93
O	Rear canopy unlocked in flight	modify to latest standard	TN 15	02/91
	Rudder pedal cable guides	Nylon tube inserts, glue into place		
		movement restricts rudder travel	TN 20	04/83 & 04/88
M	Speed brake lever	at splitter output replace bellcrank by part 210.43.0005	TN 20	06/88
M	Automatic elevator connector	inspect parallel rocker	AD 90-350, TN 8 & 22	02/91
M	Flight manual revisions	spinning etc	AD 91-112, TN 23	12/91
	Rudder pedal jamming	loose nylon tube		04/92
M	Elevator vertical rod	inspect for corrosion	AD 93-186, TN 26	12/93
M	Front canopy jettison	inoperative, incorrectly aligned nuts		02/94
M	Extension of service life	to 12 000 hours inspections after 3 000 hours	AD 94-026, TN 24	04/94

Schleicher (Germany)

Status	Subject	Detail	Reference information	TNS
ASW-22 & 22B				
M	Trim spring	to be changed	AD 85-90, TN 2	08/85
M	Elevator drive	annual check	AD 91-148, TN 7	10/91
	Flap lever failed to lock	inspect system (weak spring?)		10/98
ASK-23 & 23B				
M	Nose wheel box	reinforce	TN 2	12/85
	Trim spring	failures		04/87
	Rudder travel restricted	by loose nylon tubes		08/88
M	Automatic elevator connector	inspect parallel rocker	AD 90-350, TN 8	02/91
	Air brake lever fractures	at weld at pilots handle		12/91
M	Main landing gear bulkhead	inspect	AD 93-196, TN 10	02/94
M	Extension of service life	to 12 000 hours, inspections after 3 000 hours	AD 97-244, TN 12	10/97
ASW-24				
M	Minor modifications to Schleicher letter	models pre serial number 50		02/90
M	Undercarriage support structure	reinforce		02/90
M	Fuselage drainage (ballast leaks)	introduce		02/90
	Max. weight of non-lifting parts	increased by 15 Kg	TN 2	02/91
I	Flying controls	Aileron hinges dis-bonded from wing		04/01
M	Engine support	Inspection ASW 24E	AD 92-8, TN 2	
ASH-25, 25E & ASH 25M				
	Max engine speed	(25E) 7200 RPM for one minute	TN 2	02/91
M	Elevator drive annual inspection	and maintenance manual and C of G changes ASH 25E	AD 91-146, TN 4	10/91

Schleicher (Germany)

Status	Subject	Detail	Reference information	TNS
M	Elevator	Inspection ASH 25	AD 91-147, TN 6	
	Improved propeller option	(25E) part MT 130-L-108--1B	TN 3B	02/92
	Internal damage to flaps & ailerons	Rohacell foam		02/95
	U/C main vertical member	weld failure below shock absorber		06/97
M	Service life increased	from 6 000 to 12 000 hours after inspections (-25 & 25M)	AD 1998-486, TN14	02/99
M	Service life increased	from 6 000 to 12 000 hours after inspections (-25E)	AD 1998-486, TN12	02/99
M	Flight & maintenance manuals	page changes	AD 1998-486	02/99
M	Elevator linkage inspections	after heavy landings etc	AD 1998-486	02/99
M	U/C - locking of bolts	fit lock plates at C of A	AD 1998-486	02/99
M	ASH 25M exhaust muffler cracks	exchange for new unit	AD 1999-376, TN 15	02/00
ASH-26 & 26E				
O	Rear fuselage	modifications		06/95
M	Engine internal cooling	change fan & temp sensor	AD 97-009, TN 1	02/97
M	Engine fire prevention	various inspections and actions	AD 98-347, TN 6	10/98
M	Engine rotor cooling air fan	replace with modified type	AD 1998-21	12/98
M	Exhaust muffler modification	change for improved type	AD 1999-311, TN 8	10/99
ASW-27				
M	Elevator high friction - inspect	mass balance in fin rubs on rib	AD1999-283, TN 5	10/99
M	Amendments	Flight, Maint, and repair manual amendments	AD 2000-305, TN 6	10/00
ASW28				
M	Flying controls	Inspection of aileron hinge pins	maintenance instruction (TN – tba)	10/01

Siebert (Germany)

Status	Subject	Detail	Reference information	TNS
Contact:				
SIE 3				
M	Elevator mass balance mount	cracked - reinforce	AD 81/17, TN 264-2	03/81

Slingsby (UK)

Status	Subject	Detail	Reference information	TNS

Contact: Slingsby Aviation Ltd, Kirbymoorside, York. YO6 6EZ. 01751 432474

T 1 Grasshopper

Air Cadet Operational Notes and Maintenance Manuals are available from the BGA

Tutor (Cadet Mk 2) & T.31 (Cadet Mk 3, Tandem Tutor)

M	Main spar failure	major modification	Mod.80	1962?
	Rudder cable stops	adjust to avoid fin loads		08/89

T.21A & B Sedbergh

	Tow hook	side plates cracked		10/93 & 08/80
	Control stick	inter connect – failure threads cracked		12/93,10/91 & 06/83
	Drag spar	attachment at pylon front cracked at bolt-hole		10/83
	Elevator	disconnection in flight clevis pin too long - safety pin fouls on tailplane		06/84
	Elevator	drive rod failure at ball-end fitting in cockpit - inspect annually		08/85
	Elevator	end fitting to drive tube rivet failure- inspect annually		02/96 & 08/95
	Main frames	1 & 4 cracked inspect annually		09/85 & 06/86
	Control cables	damaged by lightening		04/87
	Rudder cable stops	adjust to avoid fin loads		08/89
	Wing root fittings	Cracks in welds		06/93

T.41 Skylark 2

M	Shoulder harness	canvas seats	Mod 96 (CAA)	
M	Shoulder harness	non canvas seats	Mod 97 (CAA)	
M	Canopy catch	improved type (lift off)	Mod 98 (CAA)	
M	Canopy catch	improved type (hinged)	Mod 99 (CAA)	
	Rudder stops	adjust to avoid fin load		06/87
	Fin spar inspection at the base	annual & after heavy landings etc	TN 107/T50	08/87
	Rudder cables	fouling on the fin		04/88

Slingsby (UK)

Status	Subject	Detail	Reference information	TNS
T.42 Eagle				
	Canopy retention strap	fouls rear stick	Mod 1	
M	Wing spars	strengthening	Mod 5	
T.43 Skylark 3 & T.50 Skylark 4				
M	Wing root strengthening		Mod 7	
	Wing fittings	severe corrosion inspect & treat as necessary		10/96 & 12/81
M	Harness attachments		Mod 96 & 97	
	Canopy catch worn	excess backlash external lever does not function	Mod 99	06/83
	Fin spar inspection at the base	annual & after heavy landings etc	TN 107/T50	08/87
	Rudder stops	adjust to avoid fin loads		06/87
	Aileron misrigging	fit wing tips with ailerons neutral		10/92
	Aileron pip-pin connector	failed - aileron disconnected		06/93
	Elevator misconnected	driver lower lug not in slot - loosens in flight Skylark 3		04/97
	Rudder horn	severe corrosion		02/99
T.45 Swallow				
M	Canopy catches	insecure	Mod 10	
	Fin spar	damaged by rudder cables after wearing through the fairlead		04/88
	Rudder stops insecure	resulting in rudder over-travel		
	Cockpit torque tube	cracks		12/90
T.49 A & B Capstan				
	Cracks in bracing at frame 3			08/74
	Air brake rod	threaded end fractured adjacent to the brake		03/75
	Tow release	cable frayed at pulley guard		08/84
	Rudder lower hinge	corroded		12/82
	Rudder stops	adjust to avoid fin loads		08/87
	Rudder-post	cracked at weld		10/93
	Airbrakes jammed	protruding bolt on brake paddle		06/97
	Fuselage skin	damaged by skid rubber air brake mechanism damaged		08/98
	Rudder cables	damage airbrake rod cables wrapped around rod behind cockpit		08/98

Slingsby (UK)

Status	Subject	Detail	Reference information	TNS
T51 Dart 15, 15R, 15WR, 17, 17R, 17WR				
M	Undercarriage strengthening		Mod 66	
	Drag spar safety pins too long	become unlocked		08/79
	Aileron flutter	caused by excessive backlash (5 mm total play)		10/76 & 10/83
	Longerons	cracked at frame 6in flight break up inspect annually & after any “event”		04/85
	Centre section frames & diagonals	cracked		08/85
	Longerons inspection	after heavy landings etc & annually		08/87
	Spar	corrosion at wing root		04/93 & 12/91
M	Dural spar boom	corrosion at bond mandatory inspection every 5 years	TI 109 iss 3	
		Revised inspection at issue 3		12/97 & 08/00
	Elevator flutter	excess play between elevators		10/98
T.53/YS-53 Sovereign				
	Airbrakes locked out	mechanism jammed at fuselage frame 6		08/80
M	Elevator lever mounting bracket	replace (at rear control box)	TI 36, Mod 11	05/81
M	Tailplane incidence change		TI 40, Mod 15	05/81
M	Wing centre section	inspection and strengthening	AD 002-05-81, TI 66 & 68	05/81
M	Wing attachment	bracket (frame 6) inspection and replacement	AD 003-05-81,AD 004-05-81, TI 69 & 70	05/81
	Wing attachment	bracket (frame 6) inspection of replacement parts	TI 90	02/80 & 05/81
	Centre sections cracks	at frames 4 & 6	TI 100	08/85
	Frames 4 to 6	corrosion and loose rivets		07/86
M	Wing	Inspection of centre section	AD 001-10-82, TI 100/T53	
T.59 A, C, D & H Kestrel 17, 19, 20 & 22 (Kestrel ”2”)				
	See Glasflugel section for Glasflugel 401 aircraft			
M	canopy	Modify canopy catch spigot mounting	TI 43, Mod 4	1973
M	Landing Gear	Reposition bolts on u/c operating shaft	Mod 5	
	Seal flaps and ailerons		TI 49, Mod 11	1973
M	Fit servo tab to elevator	series I becomes series II, aft		
		C of G limit from 14.76" to 15.83"	TI 52, Mods 9 & 13	1973
M	Controls	Introduction of take off flap position on landing flap control	Mod 15	
M	Aileron	mass balance limits changed to avoid wing flutter	TI 54	1973
	Wings	Inspection	TI 62	

Slingsby (UK)

Status	Subject	Detail	Reference information	TNS
	Elevator	Actuator fitting inspection	TI 63	
	Landing flap rods	check for end bending	TI 64	
M	Elevator actuator replacement	by part number 59A-30-25	TI 65, Mod 18	1974
	Rudder actuator	improved bearings fitted	TI 67, Mod 26	
	Airbrake	Tensions airbrake caps as necessaryto prevent flap flutter		10/75
	Dive brakes	Operating limitations	TI 72	
M	Air brake	control system improvement	TI 75, Mod 28	04/75 & 06/75
	Root rib	'uniballs' - loctite them in	TI 76, Mod 31	1975
	Rudder cables	Inspection	TI 77	
M	Rudder cable failures (fatal)	fit stop to prevent rudder pedals going fully forward.	TI 78, Mod 33	10/75
	Controls	Repeated failures if pedal geometry is wrong		04/76
	Controls	Frequently inspect cables in the nose		04/77
M	New mass balancing limits	addendum 7 to pilot's notes		01/76
	Flap/aileron connections	reversed at bell cranks - check after assembly		07/76
	Critical areas	Inspection for loose bolts	TI 89	
M	Rudder drive annual crack check 07/86 & 12/81	mandatory 'Magnaflux' check	AD 002-01-82, TI 101/T59	
	Undercarriage operating arm	weld failure R H side of wheel box		09/82
	Flap drive shaft mount loose	damaged while rigging - caused flap flutter		10/83
	Flap and aileron 'buzz'	max total freeplays $^{1}/_{8}$ " & $^{1}/_{16}$"		06/88 & 09/85
M	Elevator push rod inspection	for internal corrosion	TI 106,	02/87
	LE delamination	water ballast leak drill extra drain holes & inspect annually		08/88 & 06/87
	Aileron skew-drives	assemble with loctite to minimise backlash		06/88
	Aileron LE foul	with detached/loose gelcoat		06/90
	Tailplane front mounting lock	must be wire locked		BGA
	Winch hook angle changed	improved launch (optional)		04/99
	Water ingress at wing root rib	caused 12" x 6" of disbonding		12/99
	T61 Series			
	General			
I	SF-25/T-61 elevator tab cables	wire lock at tab		06/73
I	T-61 spar delamination at wing root			11/74
I	Longerons corroded at fin post	adjacent to microballoon filler		01/75
I	T-61 aileron hinges cracked	cracked at pin supporting plate weld	TI 73	06/75
I	T-61 elevator push rod fitting	cracks around holes at fork end in fus centre	TI 74	06/75

Slingsby (UK)

Status	Subject	Detail	Reference information	TNS
I	Fuel gauge misreading	tube sagging - 50 hour check	AD 76-40, TN 653-1/76	04/76
I	SF-25 aileron drive lever 50 hour check	crack at weld on spar tube	AD 75-169, TN 653-5/75	04/76
I	SF-25 tailplane rear mount	cracks at pin attachment weld	AD 77-217, TM-S 02-77	09/77
I	Wheel assembly bolt failures	fit larger (8mm) bolts		11/77
I	T-61 tailplane spar delamination	inspect annually	TI 81	03/79
I	SF-25/T-61 compass errors	magnetised canopy frame		12/79
I	Spar deterioration	water in spoiler boxes		06/95 & 12/80
M	SF-25/T-61 wing main pin holes	worn & splayed oval		12/80
M	T-61 wing rigging instructions	and pin mod	CAA LTO 514, TI 103	07/82
I	T-61 ignition switch “live”	test		12/85
I	Crank case cracks	numerous cases - inspect regularly		02/87
I	SF-25/T-61 tailplane	front attachment cracked	TI 102	04/90
I	SF-25 fuel flow restriction	filter incorrectly installed		06/90
M	Top harness attachments	secure to transverse tube		01/93
M	Rear exhaust valve burning	Limbach improved cooling kit		01/93
I	Tubing on fuel gauges	hardens and leaks		06/95
I	T-61 magneto to crankshaft coupling	failure of type without reinforcing ring		06/96
R	SF-25 carb heat system introduced	mandatory (CAA)	Mod 134	08/87
M	Fuel shut off valve Truma V8M	8 year (seals) life limitation	AD 82-50/2, SB 653-41	02/90
M	Fuel shut off valve NK 490	fitted in place of Truma V8M	SB 653-70	02/98
M	Truma V8 fuel valves made after 1/6/96	exchange valve for new	AD 97-140, SB 653-67	08/97
I	Rear fuselage structure corrosion	near fin attachments		02/99
I	Aileron drive bearing failure	central hanger upper bearing between sticks		04/99
I	Tailplane front mount cracked through	inspect for cracks and poor welds		08/99
I	Throttle cable disconnected	check security at carburettor connection		10/99
I	Control stick	Modification	AD 1984-198/2, SB 653-47/2	04/00

Airworthiness Directives and Mandatory Modifications listed in CAA MAMIS

M	Elevator	Change of control rigging pin T61A	TI 42, Mod 3
M	Engine mount studs	replacement of 10mm studs	TI 45, Mod 10
M	Canopy	Addition of fasteners	TI 50, Mod 15
M	Elevator ctr hinge	Inspection & replacement	TI 53, Mod 16
M	Elevator tab	Inspection	TI 55
M	Aileron	Inspection of operating lever	AD 011-10-80, TI 79, Mod 17
M	Rudder pedals	Reduction of stops	AD 012-10-80, TI 80, Mod 18

Slingsby (UK)

Status	Subject	Detail	Reference information	TNS
M	Wing root fitting	Pin inspection	AD 009-11-80, TI 94	
M	Tailplane	Forward bracket inspection	AD 003-01-82, TI 102/T61	04/90
M	Wings	Inspection of wing centre pin	AD 003-06-82	04/95
M	Wings	Inspection of wing centre joint additional limitations	AD 001-07-82, TI 103/T61	07/82

T.65 A & D Vega & T.65C Sport Vega

	Loose pieces of resin in the wings	jam ailerons to be shaken out	TI 83	06/84, 08/83 & 08/79
M	Aileron actuator	fouls outboard hand hole	TI 84	08/79
M	Flap/airbrake	Modification if Mod 12 not c/out	TI 85, Mod 12	
	Water tanks	do not pressure fill at more than 2½ PSI	TI 86	08/79
M	Airbrakes inadvertently opening	airspeed restriction - lifted when Mod 12 has been carried out	TI 82	08/79
M	Wing spigots	replace	TI 87 issue 2	10/79
M	Wing strengthening		TI 88, Mod 27	10/79
	Critical areas	Inspection for loose bolts	TI 89	
M	Elevator actuator pin retention	replace circlip with split-pin	TI 91	04/80
M	Seat pan fouls elevator control	cut clearance as necessary		10/80
M	Aileron vibration	mass balance increased (all models)	AD 002-05-81,AD 004-01-82, TI 92, TI 95	12/80
	Canopy lock	screws loose in frame		12/80
M	Stern post detached from fin skin	inspect & repair as necessary		03/82
M	Elevator centre hinge-mounting	rib loose in TP - reinforce	TI 104	11/82
	Canopy jettison inoperative	check system annually	TI 105	11/82
	Tailplane mounting spigot	tongue cracked at bolt holes		02/83
M	Rudder travel restricted	at extremes of pedal adjustment limit pedal adjustment		06/84
M	Rudder cables	damaged by a screw at tail wheel retraction hinge, inspect		06/84
	Elevator drive at base of fin	delaminated		08/85
	Ailerons	jammed by wheel retraction with one U/C mechanism bolt reversed		09/85
M	Elevator hinge	axis & drive misaligned align to avoid excess backlash & flutter		02/88 & 10/86
	Undercarriage mechanism wear	excess free play causes collapse		04/87
	Rudder	water drains blocked		06/87
	Flap drive failure	at universal joint at pilots quadrant Pre Mod 16 aircraft only	TN 108	08/90 & 08/87
	Tailplane	attachments cracks in GRP inspect frequently		02/88
	Aileron	hinges and drive box corroded		08/88
	Tailplane upper skin	unbonded from root rib		02/89
	Tow release & brake cables	corroded & failed		06/89
	Aileron actuator cover plate	jammed ailerons - always tape into place		06/89
	Undercarriage lever failure	at rod end bearing in cockpit		06/91

Slingsby (UK)

Status	Subject	Detail	Reference information	TNS
	Undercarriage lever failure	at weld on u/c		12/93
	Flap drive yokes dis-bonded	noticed because of excess play in flaps		10/97
	Canopy	locking lever must face upwards to prevent accidental canopy opening		08/98
	Tailplane attachment	cracks inspection within 6 months and after ground loops etc	TI 110/T65	06/99
M	Elevator Drive	BGA inspection of elevator drive U channel	BGA 006/08/2000 iss1	08/00
M	Flying controls	Elevator disconnection and tailplane attachment	BGA 013/13/2001 iss1, TI 104/T65 iss2	04/01

Sportine Aviacija (Latvia)

Status	Subject	Detail	Reference information	TNS

Contact: Baltic Sailplanes 01856 467723

LAK 12

M	Aft hook installations	replace with genuine Tost hook		04/93
	Inspections to be carried out	every 500 hours / 5 years	SB 012.5	12/96

Stemme (Germany)

Status	Subject	Detail	Reference information	TNS

Contact: UK Agent Mike Jefferies 01277 823066

LBA Airworthiness Directives

STEMME S10, V & VT

M	Rudder cable turn buckle	replace	AD 94-260, SB A31-10-018	10/94 & 02/95
M	Pitot tube 'O' ring	replace	AD 92-197, SB A31-10-003	06/95
M	Fuel Filter	Inspection of fuel filters and amendments to flight manual	AD 95-273, SB A31-10-021	10/95
	Fuel	AVGAS 100LL only		08/95
M	Tailplane rear fitting	inspect for cracks	AD 96-300, SB A31-10-022	12/96
M	Propeller blade fork	exchange, inspect & modify	AD 95-177/2, SB A31-10-020	06/95 & 04/97
M	Flap drive rocker replacement	before 31/3/99	AD 1998-324, SB A31-10-017	08/98
M	Elevator drive system cracks	inspections before next flight & parts replacement by 31/3/99	AD 1998-323-3, SB31-10-032	08/98 & 12/98
	Rudder cable wear	at "S" guides on the rudder pedals		10/98
M	Wastage control & Oil tubes	fit redesigned parts	AD 1998-400, SB31-10-034	12/98
M	Air brakes & landing gear	Inspections and modifications	AD 2000-396, SB A 31-10-055	12/00
M	Propeller	Pitch change fork and gearbox modifications	AD 1999-224/5, SB A 31-10-051	04/01

Valentin (Austria) (Germany)

Status	Subject	Detail	Reference information	TNS
Contact:	Taifun	KORFF + Co. KG, Unternehmensbereich Luftfahrt, Dieselstrasse 6,D-63128 Dietzenbach, Germany +49 6074 4006 33		
	Mistral C	Eichelsdorfer GmbH, Hafenstr, 6, D-96052 Bamberg, Germany +49 951 61413		
Mistral C				
M	Flight controls	Ailerons – residual momentum of ailerons	AD 2001-089, TN329-013	02/01
Taifun 17E				
M	Flight controls	elevator connection	AD 85-29, TN 3-818	06/86
M	Landing gear	actuating struts	AD 85-29, TN 3-818	06/86
M	Electrical power	push button starter	AD 85-29, TN 3-818	06/86
M	Fuel valve	emergency shut-off	AD 85-29, TN 3-818	06/86
M	Stall characteristics	improvement	AD 85-129, TN 4-818	06/86
M	Stall warning device	introduction	AD 85-263, TN 8-818	06/86
M	Tailplane front mounting	inspect/modify	AD 86-137, TN 10-818	CAA
	Rudder pedals	inspection		CAA
	Airbrake & wheel brake torque tube	weld inspection	TN 11-818	02/88
M	Revision of flight manual	limitations & inspections	AD 87-84, TN 11-818	CAA
M	Revision of empty weight & C of G		AD 87-135, TN 12-818	10/87
M	Airbrake system torsion tube	deformation- inspect	AD 91-134, SB 24-818	10/91
M	Flap lever - cracks in weld	replace with modified lever	AD 94-114, SB 28-818	06/94
M	Wings	Safety inspection of main wing attachment	AD2000-392/2, SB 05/818 iss2	10/00 & 02/01

Wassmer (France)

Status	Subject	Detail	Reference information	TNS
Contact:				
WASSMER				
WA 26P Squale & WA 28F Espadon				
M	L'Hotellier elevator connection	check for correct orientation	AD 78-142(A)	02/98
M	Rear wing attachment	bar cracks check & replace if necessary	AD 79-42(A)	02/98
M	Tailplane supports	annual checks	AD 88-089(A)R1	02/98
M	Rudder cable	annual inspection replace any frayed cables	AD 96-286(A), SB-39	02/97
	WA 28F Drag pin handle insecure	incorrectly assembled		06/99
WA 30 Bijave				
M	Wing to fuselage attachment	fittings cracked - inspect	AD 78-74-(A), SB-02	07/78
M	Canopy catches (front and rear)	insecure - modify		06/93 & 12/90

Status	Subject	Detail	Reference information	TNS

BOMBARDIER-ROTAX SERIES ENGINES

Contact: UK Distributor – Skydrive Ltd, 01926 612188, e-mail [skydrive@avnet.co.uk]

Rotax service bulletins can be downloaded from the Internet [www.rotax-aircraft-engines.com]

Rotax General

I	Air supply	Pulse air supply tube restricted		06/01
I	Ignition	BOSCH spark plug cap shorting internally (broken)		06/01
I	UL engines	Reduction gearbox type C and E, SI amendment	SI-06-1998 R1	08/01
I	2 Stroke engines	If left to dry out oil can thicken and turn to “varnish”		08/01
I	2 Stroke engines	Instructions for new design piston	SI-2ST-001	
I	2 Stroke engines	Change of exhaust gasket	SI-2ST-002	
R	2 Stroke engines	Check of the fuel pressure gauge	SI-2ST-003	10/01
I	Service instructions	Index	Edition 6, 10/2001	10/01
I	service bulletin	Index	Edition 11, 11/2001	10/01

Rotax 912 series

M	912A. 912A. Engine	Rework to ensure proper contact between attachment screws and stator	AD75, TB912-02	
M	912A, F. Propeller gearbox	Inspection and exchange of gearbox	AD 101 SB912-027R1,	04/00
M	912A,F Starter	Engine starter inspection	AD 98 912-026R3	06/00
M	912A. Ignition	Production problems in ignition unit	AD80, TB912-06	
M	912A. Ignition	Ignition problems in areas of heavy radio Transmission	AD82, TB912-07	
M	912A. Carburettors	Possible contamination of carburettors	AD83, TB912-09	
M	912A. Electronic module	Problems with SMD Electronic module in areas of heavy radio transmissions	AD84, TB912-08	
M	912 A3. Gearbox	Exchange of propeller gearbox	AD89, TB912-19	
M	912A & 912UL. Camshaft	Inspection of camshaft	AD92/1, TB912-18	04/97
M	912A & 912F. Fuel pump	Exchange fuel pump and steel fuel line	AD94/1, TB912-20	04/98
M	912A, 912F. Stator	Inspection of engine Stator assay.	AD98, SB912-026R3	06/00

Engines

Status	Subject	Detail	Reference information	TNS
	912 Fuel & Lube. Specs.	Fuel and Lubricant specifications	18UL97R1-D/E 06/98	
M	912 series Valves	replacement of valve spring retainer	SB912-022	04/01
M	912A,F,S. Mount ring	Crack inspection	AD105, SB912-028, SB912-028UL.	06/01
M	912A,F Exhaust	Crack inspection	AD107R1, SB912-029, SB912-029UL.	06/01
M	912A,F,S. Valves	Replacement of valve spring retainers	AD108, SB912-022	06/01
I	912 series Water pump	Rotary water pump seal / impeller	SI912-001	
R	912 series Lubrication	Verification of the lub. System & repl. Pressure spring	SI912-002	
O	912 series Lubrication	Oil connections with UNF threads	SI912-003	
I	912 series Fuel	Modified carb. Flange	SI912-004	
I	912 series Lubrication	Lubrication system	SI912-005	
R	912 series Sprag clutch	Replacement of circlip in housing	SI912-006	08/01
M	912 series Oil	Selection of motor oil and operating tips	SI18-1997 R3	08/01
R	912 Fuel	Check of the fuel pressure gauge	SI912-007	10/01
R	912 Fuel	Fuel pressure indication problems	SI912-008	10/01
M	912 series Fuel	Cracks, wear & distortion of carburettor flange	SB912-030, SB912-030UL	10/01
O	912 Rocker arm	new bushings	SI912-009	12/01
M	912 Fuel pump	Inspection/replacement	AD109, SB912-031, SB912-031UL	12/01
M	912 Oil pump	Replacement of oil pump or shaft	SB912-032, SB912-032UL	12/01
Rotax 914 series				
M	914F. Mixture	Verification or calibration of the mixture enrichment jet	AD88, TB914-03	
M	914F. Oil System	Check of banjo bolt in turbo charger line	AD90, TB914-04	
M	914F. Oil System	Replacement of turbo oil pressure line and pipe clamps	AD95, TB914-07	10/98
M	914F, Propeller gearbox	Inspection and exchange of gearbox	AD 101, SB914-010R1	04/00
M	914F Starter	Engine starter inspection	AD 98, 914-014R3	06/00
M	914F. Stator	Inspection of engine Stator assay.	AD98, SB914-014R3	06/00
M	914 series	Replacement of valve spring retainer	SB 914-011	04/01
M	914F Mount ring	Crack inspection	AD105, SB914-016, SB914-016UL.	06/01
M	914F Exhaust	Crack inspection	AD106, SB914-017, SB914-017UL.	06/01
M	914F Exhaust	Crack inspection	AD107R1, SB914-018, SB914-018UL.	06/01
M	914F Valves	Replacement of valve spring retainers	AD108, SB914-011	06/01
	914 Fuel & Lube. Specs	Fuel and Lubricant specifications	18UL97R1-D/E	06/98
I	914 series Water pump	Rotary water pump seal / impeller	SI914-001	

Engines

Status	Subject	Detail	Reference information	TNS
R	914 series Mixture	Optimising of mixture distribution	SI914-002	
I	914 series Wastegate	Checking and Lubrication	SI914-003	
R	914 series Lubrication	Verification of the lub. System & repl. Pressure spring	SI914-004	
O	914 series Lubrication	Oil connections with UNF threads	SI914-005	
I	914 series Fuel	Modified carb. Flange	SI914-006	
I	914 series Lubrication	Lubrication system	SI914-007	
R	914 series Sprag clutch	Replacement of circlip in housing	SI914-008	08/01
M	914 series Oil	Selection of motor oil and operating tips	SI18-1997 R3	08/01
R	914 Fuel	Check of the fuel pressure gauge	SI914-009	10/01
M	914 series Fuel	Cracks, wear & distortion of carburettor flange	SB914-019, SB914-019UL	10/01
O	914 Rocker arm	New bushings	SI914-010	12/01
Rotax 500 series				
M	501 & 505. Piston pin bearing	Conversion to reinforced design	AD64, SB505-05	
M	505 & 505A. Ignition	Conversion to the new electronic box	AD69, TB505-06	
M	582 & 532. Crankcase/gearbox	Failure of crankcase/gearbox thread bosses	CAA 006-03-90, TCP900228/0720/FJ	
HIRTH F10 SERIES ENGINES				
M	F10. Operation & maintenance	Operation and maintenance instructions for F10 aircraft engines – revision	AD69-142	
LIMBACH SERIES ENGINES				
M	L1700, L2000, L2400. Carburettor.	Leaking carb. Floats due to manf. Errors	AD97-237, TB55	02/94
M	SL1700E, EA, EB, EC. Mixture.	Mixture control – Rubber diaphragm of the governor piston	AD76-238, TB12	10/87
M	L2000EA. Starter	Starter shaft support case of electric Starter	AD97-003, TB52	04/97
	Unleaded Mogas	use of	TB50 & 53	10/99

Engines

Status	Subject	Detail	Reference information	TNS
VW DERIVATIVE POWERPLANTS				
I	Stamo Engines	Use of Unleaded mogas		12/99
	Crankshaft	Inspect for damage to the propeller shaft		04/00
	Stamo Engines	Propeller hub fixing bolt torque 20 MKG		04/00
GENERAL ENGINE INFORMATION				
	Aeroquip Hoses	Some are suspect See – Equipment section		10/88
	Slick Magnetos	Inspections and service lives See – Equipment section		12/97
M	Stromberg Carburettors	Fit service kit at 500 hrs		10/87
	Unleaded Mogas	See CAA Airworthiness Notice 98		12/99
M	Bendix Magnetos	Inspections and service lives See – Equipment section		
M	Exhaust heat exchangers	Annual pressure test at 20 psi	AWN 40	08/92
	Motor Glider	Performance Data for C of A air test		10/98
	PVC Tubing	PVC tubing shrinks and becomes hard and brittle with prolonged exposure to fuel. Replace regularly.		04/99
	General	Reminder that engines, propellers, magnetos, hoses have service lives.		08/00

Propellers

Status	Subject	Detail	Reference information	TNS
Airworthiness Directives as listed				
HOFFMANN SERIES PROPELLERS (Luftfahrt-Bundesamt Airworthiness Directives) (LBA)				
UK Service Station – Skycraft Services Ltd, 01763 852150				
M	HO-V62 R/L 160T	Calibration of tachometer and inspection of propeller blades.		
		Introduction of improved blade root retention	AD83-150/4, SB4C	
M	HO-V 123 ()-()/180R	Inspection for cracks in the coating on the suction		
		side near the blade shaft	AD88-20, SB6 EB	
M	HO27 & HO4/27	Strength problems on propeller mounting Bolts	AD1998-322/2, SB61-11-03E10 RA	
M	Overhaul Periods	See TNS		06/91
	Hoffmann VP Propellers	Pitch change rod failure		10/00
MT PROPELLERS (Luftfahrt-Bundesamt Airworthiness Directives) (LBA)				
M	MTV-1-()	Possible loss of propeller blade	AD90-214 iss2, SB TM4A	
M	MTV series	Change of emergency procedures for powered gliders	AD92-367, SB TM6	
M	MTV series	Correction to AD92-367	see AD 92-367	
M	MTV-1-(), -7-(), -10-(), -17-(),	Replacement of the electric motor of the		
	-18-() and –20-()	propeller servo	AD93-088/2, SB TM7	06/93
M	MT & MYV series	Replacement of PU erosion strip to avoid sudden		
		Loss of erosion sheet	AD94-098, SB8	
M	MTV-3-B, MTV-3-B-C	Hub, crack inspection and rework or		
		replacement of the hub	AD97-006/5, SB12	04/97
M	MTV-9	Propeller blades, inspection of the torque and if		
		applicable replacement of the blade root lag screws	AD1999-081/2 SB17A	
M	MTV-3	Propeller blades, inspection of the torque and if		

Status	Subject	Detail	Reference information	TNS
		applicable replacement of the blade root lag screws	AD1999-082/2, SB17A	
TOP PROPELLERS				
M	All models Blades	Propeller blade thickness inspection	AD2001-345, SB 32.110/25/1	12/01
GENERAL PROPELLER INFORMATION				
	Mount bolts	Check bolt torque regularly to prevent damage		12/97
	Blades	Seal minor damage to propeller blades to prevent Moisture absorption and expensive repair.		

Equipment

Status	Subject	Detail	Reference information	TNS
EQUIPMENT (Airworthiness Directives as detailed)				
General				
R	Removable equipment	Barographs, Batteries, ballast weights, O2 bottles etc. safe and secure?		
R	Cockpit equipment	Must not impede escape		
M	Oxygen bottles	To be internally inspected every 5 years		
I	GQ Parachutes	May have suspect canopies		12/88
M	Parachutes	Plastic ripcord handles must be replaced with metal	LBA AD80/13/0	10/98
R	Radio	Must be safe and secure, must not impede exit from aircraft		
R	Radio	Frequencies to be checked every 48 months		
Controls				
M	Control cables	Inspection of copper sleeves used on control cables	DGAC 67-22	
M	L'Hotellier couplings	quick release couplings inspection	LBA 1993-001/3	04/93
M	L'Hotellier QR. Cam type	Inspections	LBA 1994-001/2	04/94
R	Control connections	L'Hotellier and other quick release types , inspect after rigging As well as positive control checks		06/99
R	Wedekind couplings	Safety connectors		08/94
M	Couplings	Check that locking pins cannot jam controls		10/97 & 12/97
Instruments & electrical				
R	Instruments	Altimeters, sub-scale to be checked every C of A		04/98 & 06/99
M	Compasses	Check swing every 2 years		
I	Electrical connectors	Milti plugs make no1 pin positive. AXR & XLR types have no 2 positive. Always fit fuses		
M	Landing gear warning horns	Check to see if case is live	CAA AD 008-08-91	
M	Altimeters	Check operation of baro. Knob does not cause de-synchronisation of sub scale and pointers on United, Kollsman, Aero, Narco, Bendix instruments	CAA AD 006-02-97 R1	

Equipment

Status	Subject	Detail	Reference information	TNS
Seats & harnesses				
M	Harnesses General	Must be installed so that webbing cannot creep through buckles		12/87
M	Garinger Seat harnesses	loose nuts		08/87
R	Garinger Seat harnesses	Anti slip mod kit		08/93
M	Seat cushions	Only energy absorbing types to be used in addition to manufacturers. E.g. “Dynafoam”		08/96
M	Autoflug Seat harness	Anti slip springs should always be fitted		12/96
M	Williams Seat harness	post 1992 blue QR boxes, return to have strengthening plunger fitted		06/97
M	Seats	Slot in types must be secured to retain in negative “G”		06/89
R	Seat trim	Obstructing exit from glider – inspection	BGA 019/06/2001 iss1	06/01
I	Seat harnesses	Ensure correctly installed		08/00
M	Seat harnesses	Non metal latching devices – replace	CAA AD 005-10-91	
Hoses				
M	Fuel and Oil Hoses	Replacement of Aeroquip type 601 hoses Mfd. between 3/84 and 5/88	CAA AD 029-05-89, SB 003	
I	Aeroquip hoses	Some are suspect		10/88
I	Trelleborg Hoses	Faulty batch Mfd code 25 99 Skydrive Safety Bulletin	010501	06/01
Magnetos				
M	Bendix Magnetos	Impuls coupling inspection Models S4LN, S6LN,	FAA 82-20-01, SB 623	
M	Bendix Magnetos	Tracking of Distributor block	FAA	12/88
M	Bendix Magnetos	Impulse coupling, coils & magnet inspections	FAA 94-01-03R2	02/99
M	Bendix Magnetos	Capacitor replacement	FAA 94-06-09	06/94
M	Bendix Magnetos	Impulse coupling inspection	FAA 96-12-07	06/98
M	Bendix switches	Inspection of Key operated magneto switches	FAA 76-07-12	
M	Slick Magnetos	Insp/replace coils Models 42xx, 42xxR, 62xx, 62xxR.	FAA 81-16-05, SB 1-81	
M	Slick Magnetos	Impulse coupling inspection Model 447	FAA 74-18-05, SL1-73	
M	Slick magnetos	Impulse coupling inspection Models 447, 41xx, 42xx, 62xx & R	FAA 80-06-05	
M	Slick Magnetos	500 hour overhaul life		12/97
R	Slick Magnetos	250hr Service life recommended by manufacturers to Single ignition Motor gliders	Slick SB 1/89	

Equipment

Status	Subject	Detail	Reference information	TNS
Carburettors				
R	Stromburg Carburettors	Float valve assy wear – flooding replace at 500hr		10/87
M	Stromburg Carburettors	Replacement of diaphragm	AD76-283 (Limbach TB12)	10/87
Towing equipment				
R	Tost hooks	May be maintained “ON Condition” subject to regular inspections		02/00
R	Hooks general	Check for wear, correct lubrication and clendleness		
M	Hooks general	If two hooks are fitted they both must operate from a single control		
M	Tost hooks	Replacement of bracket (Universal 53 series S/N 1>29999)	AD 1/66	
R	Tost hooks	TBO from 3 to 4 years	AD 89-18/2, SB 60.230/2-4/88	
M	VEB ALON 155	inspection	AD 95-260	